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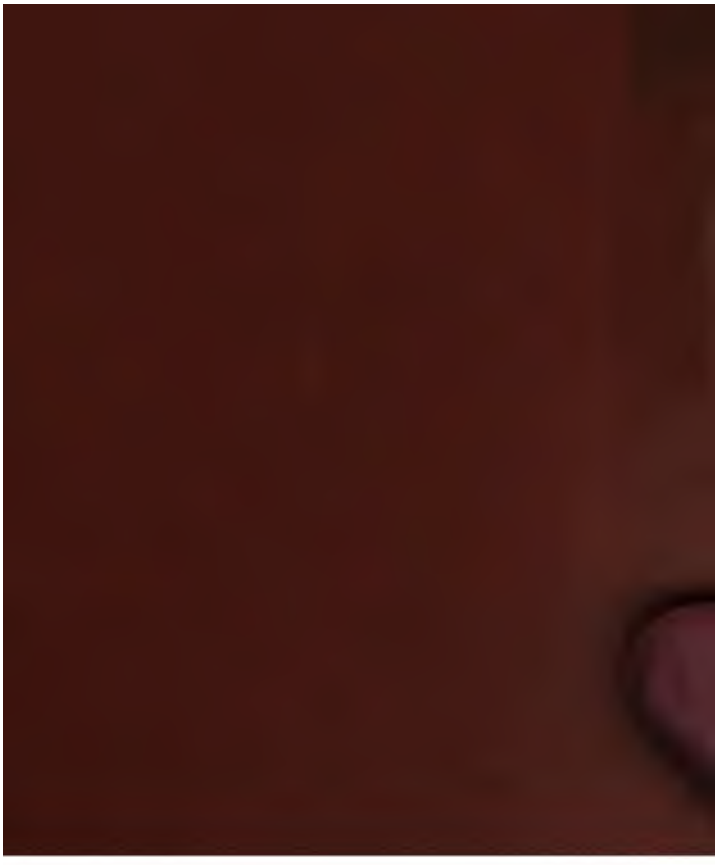

FLORA

CRYPTOGAMICA

GERMANIAE.

AUCTORE

FRED. GUIL. WALLROTHIO,

Medicinae et Chirurgiae Doctore, circuli Northusani Physico regio, Academiae Leopold. Carol. Natur. Curios., Societ. Natur. Curios. Berolinensis, Turicensis, Wetteravicae, Lipsiensis, Halensis, Societat. bot. reg. Bavar. Ratisbon., oeconomicae Potsdamens. et pharmaceuticae Germaniae borealis sodali.

PARS POSTERIOR,

CONTINENS

ALGAS ET FUNGOS.

NORIMBERGAE,

SUMTIBUS J. L. SCHRAGII.

1833.

COMPENDIUM
FLORAE GERMANICAE.

SECTIO II.

PLANTAE CRYPTOGAMICAE S. CELLULOSAE.

SCRIPSERUNT

MATH. JOS. BLUFF

ET

CAROL. ANT. FINGERHUTH.

TOMUS IV.

NORIMBERGAE,

SUMTIBUS J. L. SCHRAG.

1833.

THE HARKNESS COLLECTION

gerunt mecum inscii scriptores et lin-
[illegible] ἀναλφαβήτοι de terminis graecis,
a me primum ad priscorum auctori-
in memoriam vocatis, partim fictis et
[illegible], a me primum interpretatarum
[illegible]ationem promulgandam in hoc et aliis
[illegible] adhibitis; litem novam alii de ge-
[illegible] antiquitus jam inclarescentium, *Ery-*
[illegible], *Ceraunii* et *Aschii* notione, ipsis
[illegible] reddita nunc contestentur, ut per
[illegible] me lapsum vel adsiduum sciam Na-
[illegible] interpetem. Veterum auctoritas ubique
[illegible] his rerum herbariarum titulis, cynosura!

Indicem partis posterioris cum priore pa-
[illegible] scripsi quidem, speciebus synonymis
[illegible] omissis generibusque solum receptis,
[illegible] commisi, ne voluminis moles nimis
[illegible]atur.

Specierum denique numero, aliorum in
[illegible]ersis patriae tractibus divitias colligentium
observantium adminiculis mutuoque in
[illegible] literarum Thule exemplorum commercio
[illegible]titutus, vix volui superbire, persuasissi-
[illegible]m habens, ex continuato horum vegeta-
[illegible]um studio, tum aliis, tum mihi ipsi, sive

novas plane quotidie elucescere, sive jam notas civitatem inter patruas exposcere. Quod ut prospere succedat vegetabiliumque agamorum enumerationem, qualem nunc, pro aliis, ut assolet, symbolam impertio, novis opimisque perficiatur augmentis, vota facio, cumque die ditiorem numerum et perfectius auguror patruarum stirpium examen, ad quod illustrandum et amplificandum, si vires supersunt et officiorum, quibus sepelior, turbae permittunt, industriae nervos masculos intentumque spondeo laborem.

Ex museo meo Northusano, Decbr. 12. 1832.

Fr. Wallroth.

VIS SYSTEMATICA.

TABILIUM AGAMORUM

...nis V. ALGAE s. PHYKEA.

phykea W. Physeumata lubrica mucu-
...es inconditas praestantia, s. distincta fila-
...ermatidiis varie digestis, nonnisi emersis
...lonariis destituta.
...hysalides, physing. amorphis saepius, s.
...guratis, sine tegmine coactis muculentis.
...ris Spr. Physinx globosa impalpabilis
...atidiis globosis coacta.
...ga Ag. Physinx stratosa ex spermatidiis
...concatenatis coacta.
... Physinx bullosa ex spermatidiis

93. *Chaetophora Ag.* Physinx globosa ex physeumatibus bacillaribus articulatis, e basi communi radiantibus coacta.

94. *Hydrurus Ag.* Physinx frondosa ex physeumatibus hyalinis, spermatidia elliptica seriata continentibus coacta.

95. *Hydrocoryne Schwb.* Physinx clavata subspongiosa, ex physeumatibus tenerrimis coacta.
B. *myxonemata, physeum. continuis transversim striatis, sive in strata placentaria confluentibus, sive distinctis, ex spermatidiis emersis vestitis.*

96. *Oscillaria Bosc.* Physeumata continua transversim striata, oscillantia, in stratum placentare digesta.

97. *Hygrocrocis Ag.* Physeumata hyalina moniliformia in membranulam amorpham coëuntia.

98. *Leptomitus Ag.* Physeumata tenerrima obsolete striata libera, e basi adnata fluitantia.

99. *Draparnaldia Bory.* Physeuma subramosum obsolete geniculatum, ex verticillis proliferum.

100. *Batrachospermum Roth.* Physeuma filare insiticiogeniculatum, primum filis moniliformibus, dein spermatidiis pyriformibus emersis instructum.

101. *Chordaria Ag.* Physeuma funiculare, spermatidiis innatis disseptum, s. filis emersis mucosis penicillatum.

Ordo II. Dermatophykea *W.* Physeumata filari nunc colluviem membranula exceptam infarcient nunc distincta eaque continua, articulis intercep conjugatave, varia, praeter condylia gemmacea, sp matidiis interaneis diffusis, s. ad intervalla annul s. fasciata compulsis foeta, clonariis destituta.
A. dermatophysinges, spermatidiis globosis s. formibus, tunica hyalina exceptis.

102. *Nostoc Ag.* Physinx subglobosa tunicata, spe tidiis moniliformibus farcta.
B. *dermatonemata, physeumatibus fistulosis disti articulatis, conjugatis continuisve, intus matidiis variis foetis.*

a. arthronemata, phys. per intervalla articulata constrictis ibique fertilibus.

103. *Rolbochaete Ag.* Physcuma ramosum articulatum, articulis extremis prolifero-setosis.

104. *Conferva L.* Physcuma simplex s. prolifero-ramosum, spermatidiis effusis foetum.

b. gryphonemata, phys. articulis geniculatis interceptis, trabecularum transversalium ope conjugatis.

105. *Zygnema Ag.* Physcuma tenuiter conjugatum, spermatidiis stellatis, macularibus spiralibusve foetum.

106. *Hydrodictyon Roth.* Physcuma tubulosum reticulato-connexum.

c. trichonemata, phys. continuis capillaribus, intus spermatidiorum agmine annulatis.

107. *Calothrix Ag.* Physcuma arachnoideum rigidulum, intus spermatidiis minutissimis annulatum.

108. *Bangia Lyngb.* Physcuma tubulosum capillare, spermatidiis fasciatis densis foetum.

109. *Lyngbya Ag.* Physcuma tubulosum, spermatidiis erraticis (jam annularibus, jam effusis) foetum.

110. *Sphaeroplea Ag.* Physcuma capillare, spermatidiis globosis, demum succrescentibus foetum.

111. *Scytonema Ag.* Physcuma coriaceum tenax, intus striis annulatis s. moniliformibus notatum.

112. *Vaucheria DC.* Physcuma membranaceum, intus spermatidiis coloratis foetum, extus condylophorum.

113. *Lemanea Bory.* Physcuma membranaceum, spermatidiis moniliformibus, per intervalla digestis foetum, dein torulosum.

114. *Bryopsis Lmx.* Physcuma pinnatum, latice viridi coacto scatens.

115. *Scytosiphon Lyngb.* Physcuma tubulosum membranaceum, spermatidiis striato-areolatis foetum.

C. dermatoplynthia, physcumatibus in membranam ecostatam, intus spermatidiis foetam expansis.

116. *Ulva L. Physcuma plynthodes* planum ecostatum, *spermatidiis minutissimis* jugiter contextis foetum.

117. *Phyllona Wigg.* Physeuma plynthodes planum hyalinum, spermatidiis sphaericis quaternatim dispositis, dein in soros coactis foetum.

118. *Laminaria Lmx.* Physeuma e basi pythmenode stipitata, in membranam compaginatam, spermatidiis innatis foetam expansum.

Ordo III. Coccophykea *W.* Physeumata varia frondosa, clonariis subglobosis aucta.

A. myclothamnia, physeumatibus filaribus s. funiculariibus, per interstitia distincta septatis, clonariis globosis appensis auctis.

119. *Ectocarpus Lyng.* Physeuma capillare maculato-geniculatum ramosum, clonariis globosis s. siliquiformibus lateralibus auctum.

120. *Sphacelaria Lyngb.* Physeuma articulatum pinnatum, in extremitatibus incrassatis denigratis clonaria recondens.

121. *Ceramium Adans.* Physeuma tubulosum coloratum ramosissimum annulato-geniculatum, clonaria globosa, sporis angulatis foeta proferens.

122. *Polysiphonia Grev.* Physeuma solidum articulatum, ex tubulis longitudinalibus compositum, clonaria ovata acuminata, sporis pyriformibus foeta proferens.

123. *Cladostephus Ag.* Physeuma farctum ex geniculis ramentaceum, clonaria siliquiformia, (in ramentis) terminalia proferens.

124. *Rhodomela Ag.* Physeuma filare, (?) granulis sphaericis sparsis, s. in extremitate lomentacea reconditis foetum, clonaria globosa proferens.

125. *Chondria Ag.* Physeuma tubulosum subgelatinosum, in ramos ramentaceos divulsum.

126. *Polyides Ag.* Physeuma funiculare ex fibris radiantibus constipatum, clonariis verruciformibus spongiosis foetum.

127. *Sporochnus Ag.* Physeuma planum ramosum, margine spinulosum. Clonaria?

128. *Sphaerococcus Stackh.* Physeuma subcoriaceum

varium, clonaria sphaerica, sporis rotundis foeta exserens.

129. *Wormskioldia Spr.* Physcuma membranaceum expanso-laminosum, spermatidiis punctiformibus, in areolas maculares congestis inscriptum clonariisque tuberculosis auctum.

130. *Furcellaria Ag.* Physcuma cylindricum funiculare, ad ramos extremos in clonaria siliquiformia intumescens.

131. *Fucus L.* Physcuma compressum s. alatum membranaceo-cartilagineum, physciis instructum, clonaria turgida intus mucosa exserens.

132. *Cystosira Ag.* Physcuma ramosum subcylindricum, praeter physcias, clonaria tuberculiformia loculosa terminalia exserens.

133. *Sargassum Ag.* Physcuma compressum nervosum ramosum, physciis axillaribus petiolatis distinctis instructum, clonaria tuberculiformia racemosa exserens.

Ordo IV. Gyrophykea *W.* Physcuma mono-s. polysiphonium, ramis conformibus verticillatum, praeter condylia colorata, clonariis nucamentaceis spiraliter striatis bracteatis auctum.

134. *Chara Vaill.* Physcuma verticillatum, ex axillis ramorum clonaria nucamentacea spiraliter striata, condyliis superaddita exserens.

Corollarium. Hygrophytozoorum genera: 135. *Rhabdium W.* — 136. *Temachium W.* — 137. *Melosira Ag.* — 138. *Desmidium Ag.* — 139. *Diatoma DC.* — 140. *Achnanthes Bor.* — 141. *Echinella Ach.* — 142. *Meridion Ag.* — 143. *Encoclium Agardh.*

Classis VI. FUNGI s. MYCETES.

Ordo I. Asporomycetes *W.* Vegetabilia mycetoidea simplicissima, reliquorum veluti umbram s. prototypum praestantia, habitu prorsus varia, gongro-tricho-hypho- et rhizomorpha, sive massam mere cellulosam

pseudostromaticam adnatam libereve succrescentem, sive rhabdos continuos, seriatos articulatosve mentientia, aspora plane, s. partes cum sporidiis analogas sub appendicularum sporomorpharum specie proferentia.

A. gongromorphi, rhabdis piliformibus s. pseudostromatibus placentaribus, granuliformibus clavatisve, ex cellulis cubilium vegetorum transfiguratis veluti subeuntibus.

† *trichomata, rhabdis intus massa grumosa farctis.*

144. *Erineum Pers.* Rhabdi e figura clavata turbinatave in fllarem tendentes, utriculares, membranacei, ex foliorum vegetorum parenchymate ceu pilorum abortus subeuntes.

†† *sarcomata, pseudostromatibus adnatis, tuberculiformibus s. bacillaribus.*

145. *Leptostroma Fr.* Pseudostroma innatum maculare s. placentare, mere cellulosum asporum.

146. *Sclerotium Tod.* Pseudostroma carnosum, e figura incondita ad subrotundam tornatamve tendens, s. bacillare emersum, mere cellulosum.

147. *Acrospermum Tod.* Pseudostroma carnosum elongato-subclavatum in apicem pruinosum tumidulum desinens.

B. helicomorphi, rhabdis filaribus geniculato-septatis moniliformibus, asporis, colorem fulvum saepius cum cano mutuantibus.

148. *Helicomyces Lk.* Rhabdi erecti flocciformes, apice septato spiraliter involuti.

149. *Amphitrichum Nees.* Rhabdi e basi articulata in globulum obtexta assurgentes.

150. *Alternaria Nees.* Rhabdi erecti opaci, interstitiis filiformi-tenuatis, articulos ovales remotos interstinguentibus intercepti.

151. *Plegmatium Fr.* Rhabdi fistulosi membranacei, septis transversis opacis farctis intercepti.

152. *Trentepohlia Mart.* Rhabdi ramosi rigiduli, *intus massa* grumulosa varie digesta repleti illaque *demum* adspersi.

53. *Syncoelium W.* Rhabdi erecti, ex articulis inflatis, intus massa grumosa saturatiore scatentibus ovato-subrotundis annulatis catenulati.

54. *Acrothamnium Nees.* Rhabdi decumbentes delicati, e basi ramosa in apices septatos assurgentes.

C. rhizomorphi, rhabdis continuis s. septatis, mole variis.

† *byssoidei, rhabdis arachnoideo-hyphoideis.*

55. *Byssus Humb.* Rhabdi hyalini continui hyphoidei simplices s. ramosi fugaces, s. deliquescendo contabescentes. (Aliorum initia cryptophila.)

56. *Ozonium Pers.* Rhabdi continui ramosi, dein in fibrillulas hyphoideas penicillatas secedentes.

57. *Dematium Lk.* Rhabdi simplicissimi opaci colorati persistes, in stratum pulvinatum intertexti.

†† *torulosi, rh. septatis appendiculas sporomorphas appensas exserentibus, s. in illas secedentibus.*

58. *Balanium W.* Rhabdi vage ramosi, ad extremitates dichotomas appendices sporomorphas obovatas exserentes demumque excutientes.

59. *Gongylocladium W.* Rhabdi simplices in tubercula subrotunda inflato-articulata, dein in particulas conformes fractas soluti.

60. *Spondylocladium Mart.* Rhabdi erecti annulato-moniliformes, in ramos conformes verticillatos divisi.

61. *Helicotrichum Nees.* Rhabdi simplices septati rigidi, appendices sporomorphas cylindricas circinatas fugaces ad basin congerentes.

62. *Polythrincium Kz.* Rhabdi simplices erecti moniliformes, appendices sporomorphas didymas laxe appensas sustinentes.

63. *Arthrinium Kz.* Rhabdi simplices depressi opaco-septati, veluti torulosi, appendices sporomorphas opacas ovatas fusiformesque varie septatas exserentes.

64. *Helmisporium Lk.* *Rhabdi erecti rigiduli simpliciusculi continui s. septati, appendices sporomor-*

phas clavato-subcylindricas septatas laterales laxe appensas sustinentes deinque abjicientes.

165. *Cladosporium Lk.* Rhabdi erecti continui in extremitates septato-torulosas desinentes inque articulos subrotundos secedentes.

166. *Rhacodium P.* Rhabdi capillares ramosissimi dense intertexti continui, versus extremitates annulato-moniliformes corpuscula granulata sporangimorpha, appendicibus sporomorphis torulosis conglobatis farcta proferentes iisque effusis dein obruti.

††† *corticati, rh. continuis corticatis.*

167. *Ceratonema P.* Rhabdi teretiusculi continui rhizomorphi, intus inanes aspori.

168. *Rhizomorpha Roth.* Rhabdi teretiusculi continui extus corticati, intus stuppei, hinc inde in corpuscula papillaeformia succrescentes.

Ordo II. Sporomycetes *W.* Sporidia mera vesiculosa libera, figura, colore et dispositione varia, diversimode excepta, nunc nuda plane forasque profusa, nunc epidermide vegetabilium vegetorum mutata, nunc conceptaculis propriis pyrenimorphis recondita, nunc stratum callosum obstruentia.

A. epispori, sporidiis liberis profusis, cubilia integra obvallantibus inquinantibus.

a. coacti, spor. simplic. geminatisve conglobatis.

169. *Nemaspora Ehrb.* Sporidia globosa simplicia microscopica coacta cirrhorumque instar propullulantia.

170. *Coccospora W.* Sporidia sphaerica magna simplicia in massam difformem coacta.

171. *Phlocospora W.* Sporidia cylindrica septata, ex epidermide foliorum vegetorum cirrhorum instar subeuntia.

172. *Fusidium Lk.* Sporidia fusiformia continua epidermidem foliorum languidorum obducentia.

173. *Stilbospora P.* Sporidia ovalia septata in grumulos colliculosos coacta.

174. *Asterospora Kz.* Sporidia stellata farcta.

b. inquinantes, spor. simplicibus, septatis concatenatisve, facile inter se secedentibus, inquinantibus.

† *seriati, spor. simplicibus seriatisve.*

175. *Melanconium Nees.* Sporidia simplicia ovato-subrotunda, grumulos convexos inquinantes praestantia.

†† *moniliformes, spor. concatenatis moniliformibus.*

176. *Oospora W.* Sporidia ovata s. subglobosa, rhabdorum articulatorum instar concatenata, inter se facile dilabentia.

177. *Monilia Lk.* Sporidia ovato-oblonga, extremitatibus utrinque attenuatis cohaerentia, dein secedentia.

††† *continui, spor. continuis septatis.*

178. *Didymosporium Nees.* Sporidia oblonga didyma, in grumulos epidermide scissa cinctos digesta.

179. *Tetracolium Lk.* Sporidia quaterna catenulata sparsa.

180. *Hormiscium Kz.* Sporidia globosa plurima catenulato-torulosa, in grumulos depressos coacta.

181. *Sporidium Nees.* Sporidia oblonga isthmis tenuato-filiformibus interceptis concatenata, basi implexa grumulos concinnantia.

182. *Phragmidium Lk.* Sporidia cylindrica pluries septata, veluti annulata, in basin pellucidam continuam pedicelliformem desinentia eaque adhaerente (in fol. vegetis) grumulos fasciculatos praestantia.

†††† *striati, spor. continuis longitudinaliter striatis.*

183. *Entomyclium W.* Sporidia fusiformia continua, stria longitudinali notata.

B. hypospori, sporidiis simplicibus septatisve, epidermidis dein scissae cingentisque fundo exceptis.

a. phloeogeni, spor. ex cubilibus vegetis emerg.

184. *Schizoderma Fr.* Sporidia minuta globosa sim-

plicia cum sporidochio conglutinata discoideo-erumpentia.

185. *Cryptosporium Kz.* Sporidia fusiformia obscure septata, sub epidermide pl. languida delitescentia.

186. *Bullaria DC.* Sporidia oblonga didyma, in grumulos hypophloeodeos congesta.

187. *Physoderma W.* Sporidia simplicia sphaerica, grumulos convexos velatos informantia.

188. *Erysibe Theophr.* Sporidia simplicia in grumulos, epidermidi partium vegetarum insculptos congesta.

189. *Puccinia P.* Sporidia ovalia geminata s. biloculari a, in basin hyalinam tenuata, in grumulos, epidermidi partium vegetarum insculptos congesta.

b. myxogeni, sporidiis in stratum carnosum s. gelatinosum, sporidochium mentiens infixis.

190. *Blennoria Fr.* Sporidia cylindrica elongata utrinque truncata simplicia, veluti cum sporidochio hypophloeode in tuberculum conglutinata.

191. *Coryneum Nees.* Sporidia fusiformia septata, basi tenuata, veluti sporidochio verruciformi innata, strata scutellaria dein epiphloeodea mentientia.

192. *Sporidermium Lk.* Sporidia fusiformia opaca, basi tenuata assurgentia, veluti sporidochio effuso innata.

193. *Prosthemium Kz.* Sporidia fusiformia septata in basin tenuata, veluti sporidochio plano innata.

194. *Sarcopodium Ehrb.* Sporidia flocciformia elongata septata, sporidochio pseudostromatico effuso superaddita.

195. *Gymnosporangium Lk.* Sporidia uniseptata, basi producta suffulta, sporidochio vesiculoso gelatinoso erumpenti velut innata.

196. *Podisoma Lk.* Sporidia uniseptata, basi stipitiformi longissima implicita, sporidochium pseudostromaticum gelatinosum clavatum mentientia.

197. *Phragmotrichum Kz.* Sporidia rhombea septata, isthmis cylindricis intercepta, basi stipitiformi *sporidochio pseudostromatico* fibroso-gelatinoso *innata, dein soluta.*

198. *Exosporium Lk.* Sporidia oblongo-linearia septata assurgentia, sporidochium pseudostromaticum verruciforme obvallantia.

C. perisporii, sporidiis variis, sporidochio pseudostromatico figurato emerso superadditis.

199. *Epicoccum Lk.* Sporidia globosa, sporidochio pseudostromatico membranaceo hemisphaerico laxe incumbentia.

200. *Aegerita P.* Sporidia globosa sporidochii pseudostromatici liberi rotundati superficiem tenuem obliterantia.

201. *Dermosporium Lk.* Sporidia globosa sporidochii globosi superficiem, tegminis corticati instar investientia.

202. Illosporium Mart. Sporidia globosa colorata, sporidochium liberum subgelatinosum infarcientia, dein ex illo fatiscentia.

203. *Tubercularia Tod.* Sporidia globosa simplicia minima, sporidochium pseudostromaticum clavato-verrucosum subcarnosum, dein epiphlocodes obtegentia.

204. *Fusarium Lk.* Sporidia fusiformia tenuissima continua, sporidochio tenui carnoso sessili stipitatove fota, dein diffluentia.

205. Conoplea P. Sporidia globosa simplicia conglobata, sporidochium ex pilis rigidulis laxe implicitis conflatum replentia, dein effusa.

206. *Hyphelia Fr.* Sporidia libera globosa, sporidochio effuso, e villo in pelliculam contexto, dein fatiscente recondita.

207. *Trichoderma P.* Sporidia globosa minuta conglobata discolora, sporidochio subrotundo ex floccis hyphoideis contexto obvelata, dein transfusa.

D. entospori, sporidiis variis, nonnisi angulato-stellatis, sporidochio vario, sive ex epidermide cubilium vegetorum succrescente, sive ex substantia propria eaque mucilaginosa, sive membranacea exceptis.

a. phloeoecii, sporidochio cupulari, tubuloso et cornuto phloeode.

208. *Aecidium P.* Sporidia globosa simplicia pseudosporidochium carnosum, ex cubilium vegetorum epidermide varie figuratum infarcientia.

b. myxoecii, sporidochio tenerrimo membranacco, sporidiis conglobatis foeto, mucilagine circumfluo exceptis. (Genus desciscens, potius ad Pyrenomycetes pycnopyrenes p. 869 revergens.

209. *Myxarium W.* Sporidochium ovatum nucleatum, massa mucilaginosa amorpha circumflua reconditum.

c. dermatoecii, sporidochiis ex substantia propria compositis, corticatis, globosis, clausis s. vertice reclusis, intus sporidiorum agmine foetis.
† *clausi, sporidochiis clausis.*

210. *Sclerococcum Fr.* Sporidochium firmum, sporidiis globosis coactis farctum.

211. *Ostracococcum W.* Sporidochium sessile testaceum durissimum, sporidiorum globosorum discolorum farcimine coacto foetum illudque demum transmittens.

212. *Spermatodermia Tod.* Sporidochium hemisphaericum tuberoso-spongiosum, tegmine durissimo tectum, sporidiis globosis minimis farctum.

213. *Peridermium W.* Sporidochium tenuissime membranaceum utriculiforme, inflatum, sporidiis globosis liberis plurimis foetum, demum basi circumscissa fatiscens.

214. *Onygena P.* Sporidochium capitatum stipitatum corticatum, sporidiis globosis liberis conglobatis farctum.

215. *Cenococcum Fr.* Sporidochium suberoso-carneum fragile crassum, sporidiis minimis pulverulentis liberis farctum.

†† *pertusi, sporidoch. in porum osculumque reclusis.*

216. *Chaetomium Kz.* Sporidochium subglobosum fragile pilosum, dein e vertice pertuso sporidia globosa profundens.

217. *Cytichulum W.* Sporidochium vasculare sessile tenuiter membranaceum fragile, operculo planinsculo obturatum eoque dein circumscisso apertum, ollare.

††† *disseidei, sporidoch. in discum dein dilatatis.*

218. *Myrothecium Tod.* Sporidochium patellare tenerrimum sessile, sporidiis minutis discoloribus, dein in discum exactis obliteratum.

219. *Stephanoma W.* Sporidochium membranaceum sessile, extus pilis propexis munitum, primum conuexum, dein in discum sporidiis angulato-stellatis obtutum dilatatum.

220. *Anterophora Ditm.* Sporidochium stipitato-capitatum contexto-flocconsum, vertice irregulariter dehiscente stratum sporidiorum angulatorum compactum sustinens.

Ordo III. Hyphomycetes *Mart.* Hyphae filamentosae, arachnii instar intertextae, sporidia simplicia septatave sustinentes.

A. epispori, sporidiis hyphae sine ordine adspersis liberis, facile aufugis.

† *hyphis anyethetis instratum expansum contextis.*

* *sporidiis simplicibus.*

221. *Mycobanche Pers. emend.* Sporidia sphaerica simplicia, utrinque aequalia s. hinc mucronulata, veluti caudata, hypham ramosam effusam obliterantia.

222. *Gonytrichum Ness.* Sporidia globosa, hypha nodosa ramisque conformibus subverticillata excepta.

223. *Bysmodium Lk.* Hyphae delicatae ramosissimae radiatim expansae, sporidiis globosis exiguis adspersae.

224. *Sporotrichum Lk.* Hyphae delicatae hyphasma sesquioideo-lanosum praestantes, sporidiis simplicibus liberis adspersae.

225. *Fusisporium Lk.* Hyphae ramosae septatae, nonnisi circinato-tortuosae, sporidiis simplicibus, e figura fusiformi subcylindricis continuis rectis curvatisque adspersae.

** *sporidiis septatis.*

226. *Trichothecium Lk.* Sporidia oblonga septata s. obsolete didyma, hyphae ramosae septatae adspersa.

227. *Scolecotrichum Kz.* Sporidia didyma, hyphae simplici vermiculatae pellucidae adspersa.

†† *hyphis asynthetis assurgentibus, hyphasma erectum fasciculatum praestantibus.*

* *sporidiis simplicibus.*

228. *Actinocladium Ehrb.* Sporidia simplicia globosa, hyphae e basi simplici in apicem umbellato-ramosum assurgenti adspersa.

229. *Acladium Lk.* Sporidia simplicia, saepius subterminalia, facile caduca, hyphis simplicibus fasciculatis erectis septatis, siccando contractis adspersa.

230. *Chloridium Lk.* Sporidia globosa simplicia creberrima, hyphae subsimplici erectae continuae vage inspersa.

231. *Oncocladium W.* Hypha rigida, ramis quaternis deflexis verticillatis brevissimis intercepta, sporidia globosa minutissima interjecta fovens.

B. synspori, sporidiis appensis, fastigiatis lateralibusque, hyphas asynthetas s. figuratas ornantibus.

† *hyphis socialibus asynthetis simplicibus.*

* *sporidiis terminalibus,*

° *simplicibus.*

232. *Botrytis Mich.* Hyphae simplices sociales, fertiles assurgentes, in fastigio plerumque sporidia globosa s. oblonga simplicia colligentes.

233. *Aspergillus Mich.* Hyphae erectae subsimplices septatae, apice clavato sporidia simplicia globosa subseriata sustinentes.

234. *Penicillium Lk.* Hyphae septatae liberae erectae, apice penicillatim fissae ibique sporidia globosa simplicia exserentes.

235. *Campsotrichum Ehrb.* Hyphae delicatae continuae ramosae, ramos divaricatos hamatos emittentes, circaque apices sporidia globosa congesta *sustinentes.*

sporidiis 1-pluriesve transversim longitudi-
naliterque septatis s. moniliformibus.
ylium Nees. Hyphae erectae, extremae spo-
oblonga septata exserentes.
phylium W. Hyphae simplices nodulosae,
ce incrassato sporidium ovatum subangulatum
tudinaliter transversimque septatum, veluti
loculare exserentes.
dryphion W. Hyphae erectae solidae opacae
ae simplicissimae, apice sporidiorum aphae-
um catenulas in capitulum penicillatum con-
s exserentes.
sporidiis simplicibus ramulos laterales ter-
minantibus.
nonium Lk. Hyphae subramosae septatae,
e vacie digestos patentes, sporidiis simplicibus
os emittentes.
ticillium Nees. Hyphae erectae septatae ra-
e, sporidia simplicia apicibus ramulorum in-
, veluti pedicellata porrigentes.
hylidium Lk. Hyphae assurgentes septatae
ae, ramos laterales oppositos verticillatosque,
idiis globosis minimis adspersos emittentes.
osporium Lk. Hyphae erectae ramosae septa-
sporidia didyma sustinentes.
nthetici, hyphis in synthesin contextis, hy-
hasma subfiguratum concinnantibus.
hyphasmate assurgente figurata.
nium Lk. Hyphae erectae hyalinae septatae,
aciculos congestae, sporidia simplicia termi-
penicillata sustinentes.
tium A. et Schw. Hyphae arachnoideae in
hasma primum molle, dein coacto-membra-
um ramosum constipatae, ad extremitates spo-
s leviter adnatis adspersae.
ia Pers. Hyphae arachnoideae in hyphasma
tionum simplex s. ramosum contextae, dein
s solutae, sporidia globosa undique foventes.

** *hyphasmate membranaceo thelephoroideo.*

246. *Hypochnus Fr.* Hyphae tenerrimae tenacellae radiantes, praeter ambitum fibrilloso-radiantem asporum, in hyphasma submembranaceum applanatum, sporidiis microscopicis foras interspersis foetum intertextae.

247. *Coniophora DC.* Hyphae arachnoideae in hyphasma membranaceum molle contextum stratoque sporophoro conformi s. pulvinulis interrupto obductum.

248. *Epichysium Tod.* Hyphasma infundibuliforme carnoso-succulentum, intus hyphis funicularibus ramosis constipatis adnatis, latere utroque sporophoris exaratum.

E. entospori, sporidiis conglobatis s. veluti sporidochio vesiculari capitato subterminali reconditis, demum liquescendo s. fatiscendo prorumpentibus.

† *coccospori, sporidiis conglobatis.*

249. *Myxotrichum Lk.* Hyphae continuae ramosissimae implexae caespitosae, sporidia subglobosa copiosissima, in globulos hyphasmati insidentes coacta sustinentes.

250. *Coccotrichum Lk.* Hyphae ramosae septatae coloratae, sporidia simplicia opaca, in globulum primum coacta, dein fatiscentia sustinentes.

251. *Bactridium Kz.* Hyphae ramosae articulatae, apice truncato sporidia solitaria elongata aggregata adnata colligentes.

[redacted]

mulos fertiles in vesiculam globosam, sporidiis hyalinis quaternis foetam intumescentes spargentes.

256. *Pilobolus Tod.* Hyphae continuae erectae robustae, e basi tenuata bullato-ventricosae, vesiculam sporophorum globosam coloratam ex apice elastice projicientes.

257. *Spaggites Ehrb.* Hyphae ramosae tubulis transversis coëuntes eoque connubio favente sporidia magna globosa farcta praestantes.

258. *Mucor Pers.* Hyphae debiles caducae erectae septatae ramosae, apice vesiculam sporophorum globosam, sporidia varie projicientem sustinentes.

259. *Thamnidium Lk.* Hyphae sparsae, a basi inde ramulis vagis, globulos sporomorphos exiguos exserentibus auctae, ex apice vesiculam globosam, dein in sporidia diffluentem sustinentes.

260. *Stilbum Tod.* Hyphae farctae stipitiformes ex apice capitulum sporophorum rotundum, primum molle, dein coactum sporidiisque profusis foetum sustinentes.

261. *Cephalotrichum Lk.* Hyphae stipitiformes, rigidulae, apice in floccos contortos sporidiis intersperse foetos solutae.

262. *Didymocrater Mart.* Hyphae erectae septatae laxe caespitosae, capitulum sporophorum geminatum cylindricum, vertice in os orbiculatum reclusum exserentes.

263. *Eurotium Lk.* Hyphae decumbentes implexae, capitula sporophora nuciformia tenera, sporidiis simplicibus globosis hyalinis farcta, dein irregulariter fatiscentia sustinentes.

264. *Pilophora W.* Hyphae erectae simplices obsolete septatae, capitulum sporophorum sphaericum inflatum, dein vertice umbonato sporidia globosa transmittens basique circumscissa patula hians s. campanulatum exserentes.

Ordo IV. Myxomycetes *W.* Peridium vasculosum, primum flexum conforme clausum, dein exarescens

corticem subscariosum s. membranaceum, nonnisi duplicem varie fissilem, farcimine sporophoro immaturo pulposo, maturo pulverulento jugiter conglobato s. cellulis dissepto farctum inducens.

A. placogasteres, peridiis primum fluxo-mucilaginosis inconditis, veluti placentaribus, dein exarescendo figuram subhemisphaericam dimidiatam, basi adnatam pulvinatam saepius informantibus.

265. *Dichosporium Nees.* Peridium hemisphaericum tenuiter membranaceum floccoso-pulverulentum, sporidia globosa majuscula nuda continens.

266. *Amphisporium Lk.* Peridium persistens, sporidiis biformibus, globulosis fusiformibusque foetum.

267. *Spumaria Pers.* Peridium dein difforme crustaceum flocculosum cellulare fragilissimum, in alia peridiola plicata bursaeformia veluti proliferum, sporidia globosa majuscula nuda laxe fovens.

268. *Enteridium Ehrb.* Peridium membranaceum plicatum, sporidiis in glebulas congestis fibrisque in membranulas confluentibus interstinctis farctum.

269. *Reticularia Bull.* Peridium indeterminatum placentare, nunc tenerrimum, nunc testaceum, intus sporidiis globosis fuliginosis, floccis parcis ramosis compressis interstinctis foetum.

270. *Aethalium Lk.* Peridium difforme fragilissimum, extus strato flocculoso-celluloso deciduo cinctum, intus daedaleo-cellulosum, sporidiis compactis foetum.

B. angiogasteres, peridiis vasculosis figuratis, sporidiorum farcimine nudo s. floccis dissepto foetis, sessilibus s. stipitatis.

271. *Licea Lk.* Peridium varium, nonnisi dimidiatum s. semicylindricum, tenuiter membranaceum irregulariter s. circumscisse dehiscens, sporidiis liberis (floccis plane destitutis) foetum.

272. *Leocarpus Lk.* Peridium difforme testaceum *deplanatum*, sporidiis globosis opacis majusculis, *trabeculis assurgentibus teneris interstinctis foetum.*

273. *Physarum Pers.* Peridium membranaceum tenerrimum, sporidiis laxis, floccis parieti adnatis intertextis fortum.

274. *Craterium Trent.* Peridium simplex rigidum substipitatum, operculo clausum eoque abjecto cyathiforme persistens.

275. *Dictydium Schrad.* Peridium e capillitio innato reticulatim venoseve nervosum irregulariter dehiscens.

276. *Cribraria Schrad.* Peridium dein vertice excusso dissidiatum, intus floccis, trabecularum instar a hemisculis porrectis reticulumque liberum promiscuo mentientibus auctum.

277. *Didymium Schrad.* Peridium figuratum irregulariter dehiscens, tegmine adnato in squamulas furfuraceas fatiscente obductum, columellam variam a. nullam floccisque parieti adnatam fovens.

278. *Didermus Pers.* Peridium duplex; externum crustaceum fragile, internum hyalinum, columellam variam, nonnisi placentarem floccosque vagos, e basi ad latera verticemque tendentes fovens.

279. *Trichia Hall.* Peridium simplex, vertice irregulariter compens, floccos dense implexos versus basin adnatos, elastice semet expandentes tortos fovens.

280. *Arcyria Hill.* Peridium tenuiter membranaceum, vertice ambiguo ocius caduco, partem inferam pocillformem circumscissam relinquens, intus floccorum implexorum, a basi adscendentium apparatu, parastadis instar auctum.

281. *Diachea Fr.* Peridium tenerrimum ocissime caducum, stipite floccoso pulverulento laxo, e basi crassa sensim tenuato, floccorum parastadem reticulatam penetrante suffultum.

282. *Stemonitis Gled.* Peridium caducum, stipite setaceo fimo discolore penetrante floccorumque reticulato-connexorum parastadem excipiente instructum.

C. sphaerogasteres, peridiis globosis membranaceis s. carnosis constipatis, vertice diversimode reclusis floccorumque apparatu vario instructis.

283. *Lycogala Mich.* Peridium sessile globosum, ex membrana duplici compositum, vertice sensim dehiscens, sporidia globosa cum floccis vagis lateralibus profuga spargens.

284. *Bovista Dill.* Peridium globosum, tegmine externo dein secedente caduco tectum, interius membranaceum tenerum, sporidia hinc caudata floccis tortuosis undique adnata spargens.

285. *Lycoperdon Tourn.* Peridium e basi magis minusve producta subglobosum, tegmine contiguo, varie dein desquamante tectum, internum membranaceum, sporidia globosa simplicia laxa, floccis parastadem compactam conicam adhaerentem praestantibus incumbentia fovens.

286. *Tylostoma Pers.* Peridium globosum papyraceum, stipite proprio suffultum, vertice in osculum circinatum pertusum, sporidia globosa, floccis adnatis arachnoideis excepta fovens.

287. *Geaster Mich.* Peridium globosum, ex strato duplici distincto compositum, externum carnosum, dein stellatim fissum, internum globosum reclinando suffulciens.

D. naucogasteres, peridiis corticatis clausis, dein sporidiorum pulverulentorum agmine farctis.

288. *Scleroderma Pers.* Peridium globosum clausum, floccis porrectis, dissepimenta cellulosa mentientibus, sporidia excipientibus farctum.

289. *Argylium W.* (*Bullardia Jungh.*) Peridium naucosum arrhizum testaceum, intus sporidiorum farcimine liquido dein coacto, membranulis teneris intercepto farctum.

290. *Ceraunium Theophr.* Peridium suberosum naucosum arrhizum bicorticatum, intus trabeculis fibrillosis ramosis, a latere utroque porrectis, sporidia

...ascula rotunda conglobata, dein pulverulenta ...stinguentibus instructum.

... F. Hymenomycetes Fr. Ascoma fibroso-car...nosum s. gelatinosum, varie figuratum, ascis in mem...ulam veluti constipatis foetum.

A. *angiospori, ascomatibus e figura placentari in patellarem tubulosumque tendentibus, dein discum ascophorum marginatum recludentibus.*

a. *thyreodochii, ascomatibus radiatim s. laciniatim scissis s. hiantibus.*

... *Xyloma Pers.* Ascoma placentare innatum, hymenium ascis subclavatis foetum, primum summa cubilium epidermide velatum, dein varie recludens.

... *Phacidium Fr.* Ascoma circinatum innatum umbonatum, hymenium placentare, ascis erectis foetum summaque epidermide, dein laciniatim fissa tactum concipiens.

... *Phlyctidium W.* Ascoma orbiculatum, primum subcallosum clausum, dein tenuatum epidermideque in rugas complicatas revelata discumque marginatum, ex ascis oblongis, mox saturatioribus decolorem recludens.

... *Tryblidium Reb.* Ascoma vasculare orbiculatum, primum clausum, demum vertice in lacinias angulatas irregulariter fissum discumque ascophorum, massae grumosae instratum recludens.

... *Colpoma W.* Ascoma oblongum s. subcylindricum frigide adnatum hypophloeodes, dein discum cavernosum, ascis clavatis, strato grumoso incumbentibus foetum, per hiatum longitudinalem monstrans.

... *Tympanis Tod.* Ascoma e basi tenuata orbiculatum, saepius hypostromati impositum, tegmine subcoriaceo discum ascophorum concavum, ascis tenuibus pavitum primum abscondens, sphaeriaeforme, dein apertum pezizaeforme.

297. *Sphaerothyrium W.* Ascoma membranaceum orbiculatum, basi dilatata insculptum, primum vertice umbonato clausum eoque operculiformi abjecto in discum planum marginatum, ascis cylindricis erectis foetum reclusum, cupulare.

298. *Lophium Fr.* Ascoma verticale, e basi farcta infixa tereti compressum, dein rima longitudinali dehiscens, semibivalve.

b. lomatodochii, ascomatibus sessilibus stipitatisve, colore, figura et superficie perquam variis, primum clausis, dein margine proprio sensim recedente latusculisque reclinantibus discum patellarem, ascis saepius tetrasporis foetum reclusis.

† *ascis fixis.*

299. *Actidium Fr.* Ascoma sessile rotundatum, a centro versus ambitum in rimulas canaliculatas, hymenio ascis erectis cylindricis tenuissimis foeto pavitas dehiscens.

300. *Hysterium Tod.* Ascoma sessile ovato-oblongum carbonaceo-duriusculum, dein vertice in discum rimaeformem angustum, ascis erectis fixis foetum reclusum, naviculare.

301. *Stictis Pers.* Ascoma insculptum farinoso-micalaceum orbiculare, primum farcimine ascophoro ceraceo (stillante s. demum obturante), mox fundum replente farctum, denique limbum callosum circumducens.

302. *Phibalis W.* Ascoma obverse pyriforme subcoriaceum, dein discum infundibuliformem, ascis linearibus oligosporis foetum, ex hiatu circinato monstrans.

303. *Solenia Hoffm.* Ascoma membranaceum erectum, dein elongato-tubulosum, vertice reclusum, intus hymenio perteuui, ascis subglobosis foeto vestitum.

304. *Peziza Dill.* Ascoma carnoso-membranaceum s. ceraceum sessile s. stipitatum, primum marginibus *conniventibus* clausum, dein in discum rotundatum

ibus saepius octosporis paraphysi-
discolorem dilatatum, cupuliforme.
, *ascomatibus tenacellis sessilibus sti-*
us pube tenera s. rigidula vestitis.
ascomatibus sessilibus,
, *in partibus pl. annuis vigentibus.*
ctiformis, Arundinis, micacea, villosa,
sulfurea, adpressa, relicina, Platani,

ascom. in lignis nascentibus. — P.
meti, episphaeria, variecolor, flavo-
rufo-olivacea, barbata, spadicea, hi-
flammea, cruenta, corticalis, tumida,
alho-violascens, syringea, bicolor.
ascom. in stipitem desinentibus. —
orva, fuscescens, sphaerocephala, can-
idestina, rorida, striatula, sericea, ce-
ula, calycina, pithya, patula, nivea,
iliaris, proboscidea.

, *ascomatibus sessilibus, ad marginem*
pilis setosis hirtis coloratis obsessis.
ulata, Berberidis, diversicolor, thele-
rinoea, setosa, livida, scutellata, um-
rufa, melanoloma, phaeoloma, hirta,
atra, leucotricha, hemisphaerica.
ascomatibus teneris sessilibus brevi-
atis, extus glaberrimis s. politis.
ascomatibus sessilibus.
ascom. tenacellis depressis, margine
parce prominulo cinctis. — P. epi-
ica, Cerastiorum, juncina, compressa,
ea, melaxantha, Coccostigma, deci-
nae, Hypnorum.
ae, ascom. sessil. trempellosis s. aquosis.
ula, atrata, lacustris, dilutella, vul-
llaris, viridans, Jungermanniae, uda,
atro-virens, rubella, vinosa, dispersa,
ysocoma, limbata.

†† *stipitatae, ascom. longius breviusque stipitatis,*
* *margine inflexo cinctis.* — P. Volutella, chrysostigma, epiphylla, faginea, haematites, amenti, imberbis, conigena, chionea, salicella, herbarum, pallescens, lutescens, citrina, scutula, serotina, ferruginea, Infundibulum, strobilina, lenticularis, nigripes, versiformis, discolor, janthina, Cacaliae, aeruginosa, Caucus, Buccina.
** *ascom. margine deflexo cinctis.* — P. fimetaria, clavicularis, acicularis, aurea.

D. stromatoscyphae, ascomatibus sessilibus stipitatisve, e basi fila byssina sive in stratum intertexta, sive in comam rhizoideam implexa exserentibus, s. stromati byssino insidentibus.
† *dasyscyphoideae, ascom. sessilibus extus furfuraceis s. tomentosis, stromati hyphoideo insidentibus.* — P. Lonicerae, fibrillosa, caesia.
†† *leioscyphoideae, ascom. sessilibus calvis, stromati hyphoideo insidentibus.* — P. adhaerens, luteola, porioides, sanguinea.
††† *aleuroscyphoideae, ascom. furfuraccis s. tenuiter farinosis, hypostromati hyphoideo insidentibus.*
* *ascom. sessilibus.* — P. poriaeformis, omphalodes, aurelia, cinerea, Kneiffii, fusca, scutelliformis, lateritia, Nigrella.
** *ascom. stipitatis, plexum rhizodem exserentibus.* — P. sthenostoma, zhizopus, fusco-cana.

E. aleuroscyphoideae, ascomatibus sessilibus stipitatisve extus incusis, iisque nunc fibrosis, nunc granulosis nunc pruinoso-farinosis.
† *inophilae, ascomatibus extus pilis fibrosis rigidulis adpressis adspersis.*
* *sessiles, ascom. sessilibus.* — P. dentata, ceracella, Cyathus, sanguinolenta, pruinosa, velutina, Ledi, farinacea, cyathiformis, aleuritica.
** *stipitatae, ascom. stipitatis.* — P. litorea, Persoonii, crassipes, pyriformis, albipes, bolaris, elatina, erioloma, decolorans, Campanula, ano-

mala, scyphiformis, striata, tubaeformis, cyathoidea, coronata, inflexa, virgultorum, coccinea.

†† *coccophlocae, ascom. extus granulis papulosis caducis obsessis.*

* *sessiles, ascom. sessilibus.* — P. microstoma, Pteridis, papillaris, umbrosa, papillosa, gemmata, granulata.

** *stipitatae, ascom. stipitatis.* — P. gemmifera, fulgens.

††† *trachyphlocae, ascom. extus scobe primum rudi, dein in fibras tenacellas producta hirsutis.*

* *ascom. sessilibus.* — P. rubiginosa, sepulchralis.

** *ascom. stipitatis.* —P. micropus, verrucosa, fibrosa, hypocrateriformis, Macropus.

†††† *alphitophlocae, ascom. furfure tenui farinosis.*

* *lenticulares, geophilae, ascom. sessilibus, latusculis adpressis.* — P. miliaris, Haematostigma, convexula, Schenkii, xanthomela, rubricosa, humosa, hepatica, macrospora, leucoloma, rutilans.

** *cochleatae, ascom. primum cochleatis, dein cupularibus, a. sessilibus.* — P. dimorpha, Lanicula, sanguisa, violacea, purpurascens, applanata, pustulata, cupularis, thelephora, badia, mespiliformis, carbonaria, venosa, cochleata, onotica, leporina, aurantia, abietina, repanda, cerea, Marsupium, lycoperdoides.

b. stipitatae, ascom. stipitatis. — P. purpurea, varia, Catinus, sulcata, Acetabulum, Rapulum, tuberosa.

†† *ascis foras profusis.*

05. *Xylogramma W.* Ascoma dein erumpens ellipticum s. elongatum, hymenium tenuissimum, ascis mox emersis pulverulentum, veluti excipulo marginante excipiens, naviculare.

06. *Cyclodum W.* Ascoma orbiculatum carnosum, ex latusculorum reclinatione in discum, ascis mox profusis incusum, *veluti excipulo proprio* exceptum, *reclusum, patellare.*

**

307. *Ascobolus Pers.* Ascoma subcarnosum globosum, dein in discum, hymenio ascis clavatis amplis fugacibus superfusum reclusum.

308. *Bulgaria Fr.* Ascoma obconicum, intus glutinoso-pulposum, mox vertice rupto in discum planum, ascis stipatis elastice emergentibus foetus reclusum.

309. *Cyphella Fr.* Ascoma tenuiter membranaceum concavum, e basi brevi subcernuum, intus hymenio ascis globosis majusculis liberis suffuso vestitum, dein hinc lacerum hians hymeniumque inferum veluti mentiens.

310. *Volutella Tod.* Ascoma hypocrateriforme coriaceum stipitatum, margine revoluto apertum, intus massa unguinosa, mox coeunte suffusum.

B. gymnospori, ascomatibus sessilibus stipitatisve, mole, figura et substantia perquam variis, hymenium effusum immarginatum, ascis variis innatis s. emersis vestitum, gliscendo sensim faciemque alteramutram expandendo informantibus.

a. peridochii, ascomatibus polymorphis tremellino-gelatinosis, carnosis membranaceisve, sessilibus stipitatisve, partes extremas hymenio superficiali undique investientibus.

α. amorphi, ascom. gelatinosis inconditis.

311. *Myxomphalos W.* Ascoma sessile, puntiforme planoconvexiusculum, ascis globosis minutissimis cum pulpa circumflua coactis foetum.

312. *Periola Fr.* Ascoma sessile, intus carnoso-gelatinosum solidum, extus villo sporidiis obsoletis intersperso vestitum eoque veluti corticatum.

313. *Agyrium Fr.* Ascoma gelatinosum, siccando ceraceo-coactum innato-sessile glabrum, undique ascophorum, extus dein in sporidia solutum.

314. *Dacrymyces Nees.* Ascoma sessile guttatim erumpens, ex floccis sporophoris assurgentibus, in massam carnoso-gelatinosam conformem coactis, *dein* deliquescens.

[illegible] ascis imperfectis foetum.
[illegible] Ascoma pulpeo-fluxile lobato-pli-
[illegible], [illegible] sporidiis minutissimis
[illegible], dein [illegible] foetum [illegible] superfluum,
[illegible] contabescens (ex aqua denuo reviviscens.)

[illegible], ascomatibus e stipite sterili in clavulam subcylindricam simplicem s. in ramos [illegible] desinentibus.

[illegible] ascom. pistillaribus.

[illegible] *Fr.* Ascoma simplicissimum ovato-cy-
[illegible] stipite sensim confluens, apicem
[illegible] stipato obsolete ascophoro foetum.

[illegible] *Fr.* Ascoma subcylindricum, stipite fili-
[illegible] sudultum, superne in clavulam
[illegible] desinens.

[illegible] *Pers.* Ascoma clavaeforme, praeter sti-
[illegible] confluentem, hymenio undique asco-
[illegible] elongatis catenulatis foeto obductum.

[illegible], ascomatibus e stipite in expansiones [illegible] dilatatis

[illegible] *Pers.* Ascoma carnoso-membranaceum
[illegible] stipitatum, supra hymenio ascophoro
[illegible]

[illegible] *Fr.* Ascoma e basi crassa napiformi,
[illegible] utrinque ascophoros, in capitulum

ramosum s. simplex clavatum, cum basi stipitiformi confluens, superne hymenio vestitum.

γ. mitrati, ascomatibus capitatis s. mitratis, hymenio supero vestitis, subtus cavis.

325. *Ditiola Fr.* Ascoma primum tegmine floccoso involutum, dein stipitem producendo capitulumque orbiculato-discoideum, hymenio corrugato-plicato vestitum immarginatum informando erumpens.

326. *Mitrula Fr.* Ascoma carnosum ovatum laeve undique ascophorum, basi stipitem discretum arcte ambiens.

327. *Vibrissea Fr.* Ascoma capitatum stipitatum, supra hymenio primum laevi, dein ascis transfusis velutino vestitum, subtus nudum.

328. *Verpa Sw.* Ascoma clavato-pileatum stipitatum, supra hymenio laevi s. corrugato, ascis fixis foeto colorato vestitum, subtus concavum laeve liberum.

329. *Leotia Hill.* Ascoma subtremellosum pileatum stipitatum rotundum, limbo revoluto connatum s. liberum, hymenio ascis fixis clavato-cylindricis

[illegible] stipiformi [illegible].

[illegible] Ascoma varium, crustaceo-de[illegible] dimidiatum, hymenio in[illegible] [illegible] supero) carnoso obductum.

[illegible] P. Ascoma subcoriaceum irregulariter [illegible] hymenio undi[illegible] [illegible].

[illegible] II. [illegible] ramosis, ad [illegible] desinentibus con[illegible] [illegible] pileatove-flabelli[illegible] [illegible] emersis spiculosum s. [illegible]

[illegible], *ascomatibus sessilibus stipitatisve, ex* [illegible] *parte tubulos, intus hymenio ve*[illegible] [illegible].

[illegible] Mich. Ascoma fibroso-floccosum, ex [illegible] cylindricos jugiter connexos [illegible] ramulo veluti expunctum.

[illegible] Ascoma varium, subtus tubulis cy[illegible] [illegible] inter se divellendo seceden[illegible]

[illegible] Wahlb. Ascoma [illegible]-carnosum, [illegible] floccoso-verrucoso [illegible] ver[illegible] [illegible] obducto

342. *Irpex Fr.* Ascoma dimidiato-s. resupinato-pileatum, subtus ex scamnis seriatim s. reticulatim exaratis radulas compressas s. teretiusculas informans.

343. *Sistotrema Fr.* Ascoma dimidiatum, subtus radulis brevibus irregulariter dispositis planis gyroso-flexuosis lamellosis interruptis exaratum.

δ. lamellares, ascom. dimidiato-rotundoque pileata, sessilibus s. stipitatis, ex pagina inferiore plicas s. lamellas utrinque ascophoras exserentibus.

344. *Phlebia Fr.* Ascoma effuso-resupinatum, supra plicato-rugosum ascophorum.

345. *Merulius Hall.* Ascoma resupinatum s. inconditopileatum, ex aversa pagina hymenium gyroso-flexuosum exaratum informans.

346. *Cantarellus Adans.* Ascoma e basi stipitiformi in pileum dimidiatum s. infundibuliformem desinens, subtus plicis subparallelis s. trabeculis connexo-reticulatis subdecurrentibus exaratum.

347. *Daedalea P.* Ascoma suberosum tenax, dimidiato-s. integro-pileatum, subtus plicas conformes obtusas scalari-lamellares simplices dichotomasve, isthmis porosis s. lacunosis interceptos sublamellares exserens.

348. *Agaricus L.* Ascoma carnosum s. membranaceum stipitatum, subtus lamellas parallelas distinctas conferruminatas utrinque ascophoras, velo fugaci s. persistente primum munitas expandens.

349. *Rhipidium W.* Ascoma carnosum stipite subexcentrico suffultum, subtus e lamina distincta lamellas propexas, dein acie longitudinaliter fissa revolutas exserens.

350. *Scaphophorum Ehrenb.* Ascoma coriaceum dimidiatum, subtus hymenio liris geminato-parallelis, dein ad latuscula replicata ascophoris exarato vestitum.

Ordo VI. Pyrenomycetes *W.* Pyrenia figura, mole, colore et superficie varia, plerumque tornata nucamentacea s. tuberiformia, clausa s. poro hiatuque re-

[illegible], intus apparata ascode veluti nucleato s. pulpae foeta, basi ipsis cubilibus s. stromate vario [illegible].

A. cryptostomi, pyreniis globosis dimidiatisve, astomis s. cryptostomis, sponte saltem non dehiscentibus.

121. *Phoma Fr.* Pseudopyrenium hypophloeodes, supra [illegible] epidermidis pellicula tectum, pustulosum, intus grumosum.

122. *Centhospora Fr.* Pseudopyrenium hypophloeodes, cum epidermide cubilium obvelante innatum umbonatum, intus grumosum, vertice irregulariter dehiscens mentiens.

123. *Perisporium Fr.* Pyrenium subcarnosum subglobosum, intus pulpa ascophora gelatinosa farctum.

124. *Leptothyrium Kz.* Pyrenium dimidiatum scutiforme longitudinaliter sulcatum, ascos solutos fusiformes obducens.

125. *Actinothyrium Kz.* Pyrenium dimidiatum scutiforme radiato-fibrosum, sporidia fusiformia obtegens.

126. *Lanichotrys Spr.* Pyrenium subcoriaceum, apice depressum, intus massa granuloso-gelatinosa coacta, ascis globosis foeta farctum.

B. sphinctrostomi, pyreniis globosis, prissum clausis, dein ex vertice tenuato pulpam sporophoram eructantibus s. constrictam monstrantibus.

127. *Cytispora Fr.* Pseudopyrenium membranaceum [illegible]-diforme, tuberculo grumoso hypophloeodi insculptum, pulpam sporophoram cirrhosam eructans.

128. *Helicobolus W.* Pyrenium membranaceum sphaericum [illegible] uniloculare, pulpa ascophora gelatinosa farctum illamque dein ex ascidiis folliculariis hyalinis caudatam ex vertice tenuato eructans.

129. *Cucubalus W.* Pyrenium membranaceum insculptum, pulpa gelatinosa, dein ex vertice dimoto denuoque contracto, vesiculae opacae instar propulsa coronatum.

360. *Alphitomorpha W.* Pyrenium carnosum versicolor (primum album, mox flavescens, demum melanophaenum), basi capillitio peripherico-radiante cum stromate hyphoideo connexum, dein ex vertice dimoto utriculum hyalinum transmittens.

361. *Sphaeronaema Fr.* Pyrenium verticale subcylindricum, dein pulpa coacta ex vertice hiante transmissa coronatum.

362. *Thelebolus Tod.* Pyrenium subrotundum urceolato-ventricosum gelatinoso-tenacellum, ex vertice hiante vesiculam globosam excutiens.

363. *Sphaerobolus Tod.* Pyrenium rotundum, dein stellatim fissum vesiculamque globosam, tunica stipato-membranacea, mox elastice inversa inclusam projiciens.

C. eustomi, pyreniis membranaceis, primum vertice papillato clausis, dein osculo tornato reclusis.

364. *Sphaeria Hall.* Pyrenium membranaceum papillatum papillaque decidua osculo tornato, labiato rostellatove pertusum, simplex ipsis cubilibus s. stromati varie figurato exceptum, veluti compositum, nucleo ascidiis elongatis foeto pulposo-gelatinoso farctum.

A. astromaticae, pyreniis simplicibus distinctis, stromate destitutis, ab ipsis cubilibus fotis.

a. leptostomae, pyreniis subglobosis, vertice obsolete papillato pertusoque cubilia parce permeantibus.

† *leiopyreniae, pyreniis calvis.*

* *symphlocodeae, pyr. cum cubilibus connatis.*

° *limbatae, pyr. epiphyllinis, aream limbo discolore cinctam, veluti aridam obsidentibus.* — Sph. vagans, Spinaciae, Gentianaecola, Brassicaecola, Vincetoxici, Dianthi, Fragariaecola, Cornicola, Juglandicola, Castaneaecola, frondicola, Hederaecola, Quercicola, Buxicola, Pyrolae, Tremulaecola, stemmatea, Linnaeae, crispans, cruenta, Ostruthii, Aegopodii.

°° *effusae pyr. effusis.* — Sph. culmorum, canlincola, stipata, acerina, marginata, Helicis, corylaria, leptidea, Empetri, Epilobii, Geranii, leguminum, Hederae, punctiformis, radiata, sparsa, atomaria, aulepta, elliptica, chartarum, epimyces, Cucurbitacearum, mucosa, Agaricola.

°° *hypophlocodeae, pyr. simpl. vertice summam epidermidis pelliculam scindendo s. simul prehendendo penetrantibus.* — Sph. Eryngii, sentina, epicymatia, hians, stercoris, sthenographa, customa, duplex, Pinastri, Vincae, Rusci, Evonymi, Taxi, delitescens, Corni, foveolaris, sarmentorum, Visci, apiculata, sepincola, culmifraga, fissa, Micula, inquilina, herbarum, Lonicerae, rugosa, protracta, prorumpens, Spartii, spurca, Amorphae, eructans, Xylostei, inquinans, maculata, conspurcata, succincta, pertusa, Eremita, areolata, papillata, patellaris, limitata, clypeata, seminuda, albicans, Mamma, Tiliae. — Sph. vibratilis, ditopa, Corticis, decedens, pruinosa, anserina, ocellata, eunomia, rhodostoma.

°°° *epiphlocodeae, pyr. praeter basin adnatam vertice liberis.* — Sph. stigmatella, congregata, myriocarpa, vilis, surculorum, complicata, mycophila, pulveracea, mobilis, microthelia, Citrum, sanguinea, episphaeria, Resinae, Granatum, Aurantium, Peziza, nitrosa, Pulvis pyrius, ocidea, obducens, stercoraria, spermoides, operculata, lirida, Nucula, Rhamni, moriformis, pomiformis, medullaris, Bombarda.

†† *eriopyrceniae, pyrceniis vestitis.*

° *hypophlocodeae, pyr. latitantibus.* — Sph. xantholeuca, larvata, rudis, hirta, lanata.

°° *epiphlocodeae, pyr. liberis.* — Sph. exilis, depilata, Vermicularia, comata, herpotricha, polytricha, erythrella, canescens, calva, basitrichia, crinita, araneosa, strigosa, horridula, hispida, pilosa, auricoma, ovina, mutabilis, acinosa.

b. platystomae, pyreniis vertice rimoso-scissis osculoque labiato cristatove reclusis.

† *leiopyreniae, pyreniis calvis.*

* *rimosae, pyr. vertice rimoso.* — Sph. hysterina, conigena, glaucina, oppilata, Berberidis, barbara, Cistula.

** *labiatae, pyr. vertice cristato s. labellato.* — Sph. caulium, Arundinis, angustata, compressa, cristata, libera, ventricosa, cirrhosa, excipuliformis, macrostoma, pileata.

†† *eriopyreniae, pyreniis vestitis.* — Sph. Hericiam, sanguinolenta, biformis.

c. ceratostomae, pyreniis in collum brevius conoideum s. longius corniculatum, apice pertusum productis.

† *epiphyllae, pyreniis epiphlocodeis.*

* *leiopyreniae, pyr. calvis.* — Sph. erythrostoma, Grossulariae, amoena, setacea, acicularis, pungens, melanostyla, curva, Gnomon, tubaeformis.

** *eriopyreniae, pyreniis vestitis.* — Sph. Avellanae, barbata.

†† *epiphytae, pyr. ex caulibus lignisque putridis subeuntibus.* — Sph. microscopica, atro-rubens, Solani, suffulta, redimita, Doliolum, Lingam, Carduorum, Bardanae, infarciens, brachystoma, orthoceras, putaminum, rubella, abstrusa, trichostoma, acuta, crassicollis, Penicillus, pleurostoma, rostellata, stricta, cuspidata, rostrata.

B. stromaticae, pyreniis distinctis s. vertice umbonato confluentibus, stroma varium, nonnisi figuratum obstruentibus.

a. phlebostromaticae, pyreniis ex stromate serpentino-s. dendritico-figurato, fibrilloso subeuntibus. — Sph. venulosa, dendritica, vernicosa, geographica, reticulata, abjecta, nervisequia, stellaris, Asteroma, Himantiae.

b. triptostromaticae, pyreniis ex stromate grumoso syn- s. hypophlocode incondito et incuso subeuntibus.

α. *cubicularem, pyreniis stromate gramoso effuso, sub epidermide devolore delitescente exceptis.*

† *brachystomae, pyr. subastomis.* — Sph. thoracocella, melaena, picea, denigrata, ceuthocarpa, hibrosa, coenosa, Lirella, polita, Graminis, filicina, rimosa, Junci, striaeformis, macularis, insularis, conglomerata, Oedema, cellulosa, Anethi, subscripta, arundinacea, longissima, signans, Podagrariae, Trifolii, atroniteus, Ulmi, Dothidea.

†† *cerebrostomae, pyr. in colla exserta productis.* — Sph. Coryli, imbriata.

β. *circinatae, pyr. hypophloeodeo-tectis circinantibus collisque conniventibus epidermidem parcius longiusque permeantibus.*

† *brachystomae, pyreniorum collis vix prominulis.* — Sph. Aethiops, pusilla, syncephala, convergens, acclinis, socialis, conjuncta, umbilicata, decumbens, quaternata, vasculosa.

†† *cerebrostomae, pyreniorum collis exsertis.* — Sph. hypodermia, operta, Stromella, Persoonii, coronata, pentagona, Friesii, ciliatula, pulchella.

γ. *obvallatae, pyr. hypophloeodeo-latitantibus in orbem aggregatis, collisque convergentibus stroma gramosum penetrantibus s. corculum centrale circumvallantibus.* — Sph. dolosa, tessera, stilbostoma, capsularis, ambiens, salicina, deplanata, leucopia, turgida, iriphaemia, Abietis, Pini, decorticans, lixivia, dimorpha, tortuosa, ciliata.

δ. *incusae, pyr. aggregatis, stroma cinctum verticeque incuso-pulverulento prominulum perforantibus.* — Sph. clandestina, cubicularis, tessellata, dissepta, circumscripta, Radula, angulata, scutellata, tumida, Knorri, microstoma, melanostoma, diatrypa, cincta, leucostoma, nivea.

ε. *vasculosae, pyr. distinctis, conceptaculo vasculoso hypophloeode exceptis.*

† *leptostomae, pyr. umbilicato-papillatis.* — Sph.

Carpini, fibrosa, corniculata. syngenesia, anomia, enterolenca, gastrina.

†† *ceratostomae, pyr. collis exsertis.* — Sph. ceratina, detrusa, fascicularis, Hystrix, ceratosperma, ferruginea, Sorbi, Prunastri.

c. hyphostromaticae, stromate fibroso hyphoideo in subiculum lanosum contexto.

† *leptostomae, pyr. papillatis.* — Sph. contexta, infernalis, elongata, flavescens, aurantia, viridis, tristis, cinerea, violacea, byssiseda, Aquila, Rhizodium, Trichoderma.

†† *ceratostomae, pyr. rostellatis.* — Sph. dryina, Stilbum, lucifuga, lagenaria.

d. pachystromaticae, pyreniis stroma coactum figuratum obsidentibus s. insculptis.

α. ectopyreniae, stromate subrotundo carnoso, pyreniis liberis obsesso.

† *leiopyreniae, pyr. calvis.* — Sph. chnaumatica, flacca, pulicaris, baccata, acervalis, populina, varia, naucosa, pithyophila, conglobata, punicea, Cucurbitula, Ribis, sinopica, Laburni, Aurora, coccinea, chrysitis, decolorans.

†† *eriopyreniae, pyr. vestitis.* — Sph. Vaccinii, decora.

β. entopyreniae, pyreniis stromate figurato insculptis.

† *effusae, pyr. confluentibus stroma inconditum effusum mentientibus.* — Sph. fimeti, lineata, parallela, insitiva, Melogramma, sphaerococca, lata, flavo-virens, velutina, Stigma, undulata, scabrosa, spinosa, spiculosa, spinifera.

†† *pulvinatae, stromate subcarnoso hemisphaerico, epidermide scissa succincto.*

* *calvae, stromate primitus calvo.* — Sph. rubra, ochracea, Ribesia, friabilis, quercina, bullata, sordida, lanciformis, lenta, succenturiata, lutea, verruciformis, favacea, pilulifera.

** *vestitae, str. primum velutino, deinceps coacto s. calvescente.*

* *hyphoideae, stromatis initiis hyphoideis, dein*

coactis. — Sph. typhina, gelatinosa, rufa, citrina, lateritia, rosea, deusta.

** *velutinae, stromate primum velutino-pulverulento dein calvescente.* — Sph. confluens, coprophila, botryosa, nummularia, rubiginosa, uda, serpens, fusca, rubricosa, rubiformis, fragiformis, Tubulina, concentrica.

γ. *discoideae, stromate in discum dilatato.* — Sph. cupularis, Poronia.

δ. *clavatae, stromate figurato stipitato.* — Sph. filiformis, carpophila, Hypoxyloo, stuppea, digitata, bulbosa, polymorpha, alatacea, militaris, capitata, ophioglossoides.

D. astomi, pyreniis subrotundis s. obovatis, stromate destitutis, foeturam ascoden variam, sive intra tegminis laminas, sive nuclei carnosi instar comprehendentibus.

a. coelopyrenii, pyreniis intus vacuis, intra tegminis laminas foetis.

365. *Hydnocaryon W.* Pyrenium nuciforme globosum clausum, intra tegminis laminas conformes, ascis folliculatis, sporidia 10 - 12 seriato-connata gerentibus foetum.

366. *Clathrus Mich.* Pyrenium volva, dein in laciuias dehiscente suffultum sessile, in ramices reticulato-connexos, massa uvida distentos cancellatum.

b. myelopyrenii, pyreniis clausis, nucleo gelatinoso, carnoso s. calculoso farctis.

† *hyalopyrenes.*

367. *Apiosporium Kz.* Pyrenium globosum minutissimum, basi adfixum, sporidiis pulpa gelatinosa exceptis foetum.

368. *Pyrenium Tod.* Pyrenium subrotundum sessile arrhizum nuciforme corticatum, intus primum pulposum, dein in massam conformem indurescens.

†† *sarcopyrenes, pyreniis carnosis, ascis subclavatis s. sphaericis, nunc conglobatis, nunc ad venas congestis, nunc dispersis foetis.*

369. *Dothidea Fr.* Pyrenium subrotundum hypo- s. epiphloeodes clausum, nucleo cereo, ascis erectis suclavatis, sporidia simplicia foventibus, conglobatis foetum.

370. *Endogone Lk.* Pyrenium globosum pisiforme, extus tegmine tenui floccoso corticatum, intus grumosum coactum, ascis sphaericis membranaceis, sporidiorum congeriem foventibus interspersis foetum.

371. *Aschion Theophr.* Pyrenium subglobosum arrhizum tuberiforme hypogaeum corticatum, intus demum ascis vesiculosis appendiculosis, sporidia 3-5 aspera s. muricata globosa foventibus, carnem coactam venoso-ramosam dilutiorem sterilem infarcientibus.

372. *Rhizopogon Fr.* Pyrenium globosum tuberiforme hypogaeum, e basi radicante reticulo filamentoso obtextum, intus carnosum, venis distinctis cancellatis, ad latuscula ascis globosis ecaudatis foetis farctum.

††† *pycnopyrenes, pyreniis subrotundis pyxidatisve, intus ascoperas distinctas foventibus.*

373. *Polyangium Lk.* Pyrenium subrotundum vesiculoso-floccosum, ascoperas oblongas majusculas, massa grumosa scatentes circumcludens.

374. *Cyathus Hall.* Pyrenium coriaceum vasculoso-pyxidatum, primum obturatum, intus pulposum, dein apertum, ascoperas lenticulares, margine s. centro incumbentes monstrans.

375. *Polysaccum DC.* Pyrenium subclavatum, vertice subgloboso irregulariter dehiscens, ascoperis discretis inaequalibus, cellulas infarcientibus foetum.

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FLORAE
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ALGARUM ET FUNGORUM CLASSIS V. VI.

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[illegible] subpellucidas viridissimas constituentibus. *Nostoc* [illegible] *Spr. syst. IV.* 372.

In lacubus agri dessaviensis (*Schwabe*).

1104. Ch. *dura Ag.*, physeumatibus rectis subtomosis concentricis e basi simplici dichotomo-ramosis, [illegible] parallelis adpressis fastigiatis longitudine aequalibus [illegible]-geniculatis physinges globosas virides nitidas conficientibus. — *Ricularia dura Roth. Mart.* [illegible] *Tremella globosa Hedw. theor. t.* 36. *f.* 1—6. *Flor. dan. t.* 1488. *Chaetophora globosa Schrank.*

In piscinis et fossis ad alias plantas vivas et mortas [illegible] Germaniae locis (*Roth. Martius*). (*Agardhius* [illegible] inter dubias recenset, quae *Webero* auctore a Ch. pisiformi plane non differre dicitur et rectius forsan [illegible] Ch. pisiformi Ch. eleganti subscribitur.)

†† *lobatae, physingidibus lobatis s. figuratis* (*Myriodactylon Desv.*)

1105. Ch. *endiviaefolia Ag.*, physeumatibus ramosissimis petalis fastigiatis physinges planiusculas lineares e basi dichotoma pluries lobatas truncatas conficientibus. — *Agrdh syst.* 28. *Lyngb. hydroph. t.* 65. *Mart.* [illegible] *Myriodactylon spinulosum et incrassatum Desv. Tremella palmata Hedw. comm. f.* 4—7. *Ricularia endiviaefolia Roth germ. III.* 546. *Flor. dan. t.* 1488. *f.* 21. *Rotrochospermum fasciculatum Vaush. conf. t.* 13. *f.* 1. *DC. gall. II.* 58. *Conferva incrassata Bosc. Tremella viridissima Hall. hist. n.* 2115. — *Dill. hist. t.* 18. *f.* 18.

β. elongata, physingidibus in lobos tenuiores prodactis. — *Chaetophora elongata Lyngb. Spr. syst. IV.* 271. *Ricularia elongata Roth. Riccia fluitans Oeder. flor. dan. t.* 275. *Chaetophora clavata Hornem. fl. dan. t.* 1720. *Ch. ruscinides Bory.*

γ. difformis, physingidibus obsoleta lobatis — *Ch. endiviaefolia β. crassa Agrdh l. l. Ulva incrassata Hudc. Engl. bot. t.* 967.

In stagnis et lacubus limpidioribus agri halens. (*Fischer*), ducat. oldenburg (*Roth*), erlang. (*Martius*), badensis (*Kneiff*). (Capitulum sub aqua fingit subrotundum densum elevatum sesquunciale s. majus, laete-viride fluctuans impalpabile, in lobos plures varios divulsum et siccando contabescit.)

1106. *Ck. cornu Damae Ag.*, physingidibus teretiusculis linearibus papillosis in lobos divaricatos breves explanatis. *Ag. syst.* 29. *Rivularia Cornu Damae Roth germ. III.* 544. *excl. syn. pl. — Dill. hist. t.* 10. *f.* 10. *Vaill. bot. t.* 10. *f.* 3.

Ad lapides stagnorum ducat. bremens. pr. Vegesack (*Roth*). (Physinges figuratas fluctuantes laete-virides valde lubricas in lobos teretiusculos divaricatos divulsas praestat, quae more praeced. siccandō deplanantur papyroque arcte adhaerent. *Mohrius* et *Sprengelius* hanc ab illa non distingunt.)

94. HYDRURUS AG. *Wasserschweif.*

[redacted]

[illegible] subrotundis saturate-viridibus lapillis ad-[illegible] *Rothius* semel legit.

1108. *H. penicillatus Ag.*, physinge elongata [illegible] solida fusca demum virente a basi inde in [illegible] verticillatus penicillatus divulsa. *Agrdh* [illegible] *Coccochloris Myosurus Spr. syst. IV.* 373. [illegible] *Myosurus Bory. Duh. gall. II.* 963. *Rivularia* [illegible] *Mong. Palmella myosurus Lyngb. hydroph. t.* [illegible] *Ulva intestinalis Chantr. t.* 1. *f.* 2. *Tremella myu-* [illegible] *Flor. dan. t.* 1604. *Batrachospermum myosurus Du-* [illegible] *Conferva myosurus Brouss.*

In rivulis German. austral. suis locis vulgaris (*Agardh.*)

1110. *H. crystallophorus Schübl. in Regensb.* [illegible] *p.* 65. *et* 143.

In rivulis German. mediae (*Schübler*). (Species sin-[illegible] l. l. descripta).

[illegible] HYDROCORYNE SCHWB. *Wasserkeule.*

[illegible] in physingem clavatam sub-[illegible] coniunctis.

1111. *H. spongiosa Schw. in Spr. syst. IV.* 373.

In loco agri [illegible] (*Schwabe*). (Alga satis pe-[illegible] *Rodingen* fluviatilem *Schw.* (*Spongia fluvia-* [illegible] *L.*) quadantenus accedens, sordide-virens, [illegible] ex physeumatibus arachnoideo-capilla-[illegible] composita).

H. Myosurus, *physeumatibus capillaribus s.* [illegible] *striisve transversis articulos mentien-* [illegible] *s. genicalis interceptis, plerumque tubu-* [illegible] *nunc in massas amorphas plasentares* [illegible] *ramosis iisque sperma-* [illegible] *superficiem lubricam s. emersa in fila ar-* [illegible] *superficiemque penicillato-villo-* [illegible] *profundentibus.*

(*Algae confervoideae leptomiteae, batrachospermeae* [illegible] *Agrdh syst.*)

1118. *O. aeruginea Mart.*, physeumatibus filaribus chalybeo-viridibus praelongis in stratum radians implicitis, annulis diametro 4—5 brevioribus. *Mart. crl.* 306. *Conferva aeruginea Mert. Oscill. major Vauch. conf. t.* 15. *f.* 3. *Agrdh. syst.* 67. *O. princeps Vauch. l. l. Trichophorus princeps Desv.*

In aqua fossarum limpidiore. Vere. (Pulcherrima physeumatibusque satis conspicua, fasciis transversalibus latescentibus notata. Color aerugineo-viridis cum nitore eximio. Totius plantae incrementum, *Martio* auctore, celeberrimum.)

1119. *O. amphibia Ag.*, physeumatibus tenuissimis rectis in membranam dilute-viridem breviter radiantem intricatis, radiis extremis dilutius virentibus. *Agrdh bot. Zeit.* 1827. *p.* 632.

Ad ligna thermarum caroliu. (*Agardh.*)

1120. *O. laminosa Ag.*, physeumatibus tenuissimis curvatis in membranam duplicatam dilute-viridem contiguam intertextis *Agrdh bot. Zeit. l. l.* 633.

Ad muros thermarum caroliu. vaporibus calefactos. (*Agardh.*)

1121. *O. elegans Ag.*, physeumatibus tenuissimis rectis in membranas plures laete-virides radiantes contextis, radiis aeruginosis. *Agrdh l. l.*

In similibus cum priore locis.

†† *physeumatibus chalybeo-aeruginosis strata atro-virentia s. nigricantia mentientibus.*

1122. *O. auctumnalis Ag.*, physeumatibus obscure-virentibus rigidis rectis in stratum gelatinosum breviter radians nigro-virens demum cum nitore quodam nigricans intertextis. — *Agrdh syst.* 62. *O. vaginata Vauch. conf. t.* 15. *f.* 13. *Mart. crl.* 307. *Microcoleus terrestris Desmaz. Dub. gall. II.* 992. *Vaginaria terrestris Bory. Rhizomorpha muralis DC. gall. VI.* 116. *Conferva vaginata Dillw. t.* 99. *C. amphibia γ. atra Roth germ.* 491. *Phytoconis nigricans Bory de St. Vinc.*

Ad aedium limites umbrosos et spurcos vere abundat et saxa terramque interjectam saepe longe lateque occupat. (Siccata nigrescit magis membranamque contiguam duram mentiri solet. *Sprengelius* pro O. nigrae *Vauch.* luxu geophilo habet.)

1123. *O. rupestris Ag.*, physeumatibus tenuissimis brevissime radiantibus rigidis flexuosis atro-viridibus hyalinis in stratum nigrum gelatinosum compactum densissime implicitis. *Agrdh syst.* 63. *O. subfusca v. atra Lyngb.*

Ad rupes humectas Hercyn., muscos (Neckeram pennatam) saepius destruens.

1124. *O. nigra Ag.*, physeumatibus rectis rigidis gryseo-lutescentibus in stratum gelatinosum longissime coeruleoque radians nigrum coactis. *Agrdh syst.* 63. *O. nigra Vauch. conf. t.* 15. *f.* 14. *Lyngb. hydroph. t.* 26. *Spr. syst. IV.* 363. *Mart. erl.* 307. *Conferva fontinalis Dillw. conf. t.* 64. *pr. pr.*

Rivulis quietis passim innatat.

1125. *O. Okeni Ag.*, physeumatibus tenuissimis rectis in stratum nigrum illico radians intricatis oscillantibus. *Agrdh. bot. Zeit. l. l.* 633.

In aquis thermarum carolin. (*Agardh.*)

1126. *O. subfusca Ag.*, physeumatibus hyalinis rigidis rectis in stratum compactum violaceo-fuscum breviter radians intertextis. *Agrdh syst.* 64. *Vauch. conf. t.* 15. *f.* 5. *Lyngb. hydroph. t.* 26. *O. Corium Lyngb. l. l. nec Ag. O. purpureo-coerulea Mart. erl.* 306. *Conferva violacea Huds.*

Ad saxa fluviorum coenosorum. Vere et aestate.

1127. *O. chalybea Mart.*, physeumatibus tenuissimis rigidis chalybeis e stratum nigrescente compacto quaquaversum longissimeque radiantibus, striis inaequalibus, alternis angustioribus latioribusque. *Mert. in Järg. alg. XIII.* 4. *Agrdh syst.* 67.

vegetabilia amphibola, primordialia quasi, e corporibus organicis putrescentibus primitus subeuntia ideoque dubia.)

1136. *L. cāndidus Ag.*, physeumatibus subsimplicibus tenuissimis erectis distinctis hyalinis longissime striatis. *Agrdh syst.* 49.

Ad caules Hydrocharidis (*Roth*), ad Confervas putrescentes. (*Leiblein*).

1137. *L. lacteus Ag.*, physeumatibus ramosissimis hyalinis in massam informem lubricam coactis, exsiccando distinctius replicatis. *Agrdh syst.* 47. *Conferva lactea Dillw. t.* 79. *Roth cat. C. pusilla Roth germ. III.* 524.

In rivulis turfosis graminum culmis adhaerens, variis German. locis (*Trentepohl. Roth. Jürg. Wallr.*) ((Mucilaginem albidam limpidam viva refert, exsicca telam arachnoideo-bombycinam tenuissimam, physeumatibus primum coactis dein exsiccando explicatis satis conspicua.)

1138. *L. niveus Ag.*, physeumatibus ramosis erectis rigidulis niveis, ramulis subimbricato-fasciculatis fusco-striatis. — *Leptomitus niveus Agrdh bot. Z. l. l.* 631. *Oscillatoria nivea Spr. syst. IV.* 361. *Conferva nivea Dillw. Engl. bot. t.* 2529.

In aquis thermarum carolin. (*Agardh.*)

1139. *L. nanus Ag.*, physeumatibus exilissimis ramosis, ramis ramulisque acuminatis, interstitiis geniculiformibus pellucidis. *Agrdh syst.* 49. *Conferva nana Dillw. conf. t.* 30.

Ad Algas destructas maris septentr.

1140. *L. inconspicuus Ag.*, physeumatibus fasciculatis subsimplicibus continuis divergentibus hyalinis. *Agrdh bot. Z. l. l.* 631.

Ad Confervas majores thermar. carolin. (*Agardh.*)

99. DRAPARNALDIA BORY. *Draparnaldie.*

Physeuma gelatinosum subramosum transversim striatum veluti obsolete-geniculatum undique s. ex punctis

distinctis verticillatis alia physcumata, difformia mucum penicillatum informans illisque vestitum.
(Confervae spec. auct. Batrachospermum Vauch.)

1141. ***Dr. uniformis Ag.***, physcumatibus tenuissimis uniformibus contortis ramulos laxe dispositos subsecundos conformes spargentibus, articulis inferioribus diametro duplo longioribus. *Agrdh bot. Z. l. l. 635.*
In aquis thermar. carolin. *(Agardh.)*

1142. ***Dr. tenuis Ag.***, physcumatibus tenuissimis subuniformibus simpliciusculis mucum glomeratum conformem emittentibus. — *Agrdh syst. 57. Dr. mutabilis et laxa Bory. Conferva lubrica Lyngb. hydroph. t. 52. Jürg. alg. f. 10. C. pusilla Lyngb. t. 51. C. protensa Dillw. t. 67. C. exigua Dillw.*

β. elongata, physcumate productiore et distinctiore. — *Agrdh. l. l. Draparnaldia hypnosa Moug. et Nestl. n. 499. Conferva lubrica Dillw. conf. t. 57. C. contorta Roth cat. II. 218.*
In stagnis aliis vegetabilibus adhaerens, suo loco vulgaris. *(Borgus* pro Draparnaldiae mutabilis habet infante, nec forsan incongruenter.*)*

1143. ***Dr. plumosa Ag.***, physcumatibus capillaribus hyalinis tenuibus ramosis, geniculis obsoletis saturate-fasciatis interstinctis ibique alia physcumata difformia laete-viridia transversim striata primum brevia dein productiora gelatinosa emittentibus habitumque fasciculato-penicillatum mentientibus. — *Draparn. plumosa Agrdh syst. 58. Spr. syst. IV. 369. Batrachospermum plumosum Vauch. conf. t. 11. f. 2. DC. gall. II. 59. B. glomeratum β. plumosum Wahlenb. suec. 915. Conferva mutabilis Roth germ. III. 518., cat. III. 282. t. 4. f. 6. Dillw. t. 12. Flor. dan. t. 1481. Jürg. alg. VII. 9. C. lubrica Engl. bot. t. 2087. C. gelatinosa Chantr. excl. syn. — Dill. hist. t. 6. f. 34.*
In rivulis celeriter fluentibus ad lapillos sub aqua fluctuans, passim, v. c. prope Leesum duc. bremens. *(Mertens)*, pr. Heringam Thuring. et in fontibus calidis

Paderae pr. Paderborn (*Wallr.*) Aestate. (*Schrankius bot. Z. 1823. p. 35.*) hanc pro statu vernali s. juvenili Confervae zonatae declarat.)

1144. *Dr. glomerata Ag.*, physeumatibus filaribus tenuibus hyalinis ramosis geniculis obsoletis interceptis ibique alia physeumata difformia laete-viridia striata obtusa brevia emittentibus habitumque glomeratum mentientibus. — *Agrdh syst.* 58. *Spr. syst. IV.* 369. *Lyngb. hydroph, t.* 64. *Conferva mutabilis Engl. bot. t.* 1746. *Batrachospermum glomeratum Vauch. conf. t.* 12. *f.* 1; *var. a. Wahlenb. succ. l. l. C. fasciculata Thor. C. Chara Roth.*

In similibus cum priore locis. (*Wahlenbergius* cum praecedente jungit et *Borysus* dudum pro ejus forma adulta agnovit.)

100. BATRACHOSPERMUM ROTH. *Tausendast.*

Physeuma filare cylindricum hyalinum tenerrimum, nodis genicula insiticia mentientibus primum saepius fila difformia moniliformia verticillata gelatinosa informantibus interceptum iisque detersis ibi spermatidia pyriformia emersa colligens.

(*Confervae sp. auct. C. nodosa Wallr. Charae spec. Weis. Batrachospermum Roth. Agrdh. Mart. Lemanea Bory. Chantransia DC. Trichogonum Pal. Beauv. Goniclados Fries. — Apona Adans.*)

1145. *B. inflatum W.*, physeumate simplici tenero hyalino-olivaceo lubrico primum insiticio-geniculato ibique filis hyalinis brevissimis gelatinosis penicillato iisque detersis nodis globosis intercepto. — *Conferva vesicata Agrdh syst.* 93. *Lyngb. hydroph. t.* 47. *Spr. syst. IV.* 356. *Chantransia vesicata DC. gall. II.* 52. *Conferva alternata Dillw. Engl. bot. t.* 2304. *Prolifera vesicata Vauch. conf. t.* 14. *f.* 14. *Hornem. fl. dan. t.* 1483. *f.* 2. *Conferva nodosa Vauch.*

Ad alias plantas aquaticas Germ. mediae et Thuring. (Habitu capillari veluti articulato Confervam quodam-

modo refert, indole gelatinosa tamen et nodis primum penicillatis ad hoc genus, ut in *Anno bot.* 138. jam praemonui, spectat, et cum *Leclercio* contra *Boryum*, aetatem praestat spermatophoram.)

1146. *B. moniliforme Roth*, physcumate primum coacto physingode dein a basi inde ramosissimo iusiticiogeniculato ibique primum filis moniliformibus verticillatis gelatinosis penicillato iisque detersis in nodos spermatidiis emersis foetos geniculaque obliterantes incrassato. — *Batrachospermum moniliforme Mart. crl.* 290. *Agrdh syst.* 53. *Spr. syst. IV.* 369. *B. gelatinosum Wahlenb. suec. II.* 914. *excl. var. β. Conferva nodosa Wallr. ann. bot.* 125.

α. penicillata, physcumate viridi s. violaceo lubrico, ex nodis geniculiformibus approximatis fila moniliformia densa gelatinosa verticillos penicillatos mentientia nonnisi condylia globosa comprehensa transmittente. — *Batrach. Vaprecula Mert. in Jürg. alg. XIX.* 7. *B. moniliforme Roth germ. III.* 480. *Vauch. conf.* 113. *t.* 11. *f.* 3. *DC. gall. II.* 59. *Jürg. alg. VI.* 3.; *var. a. Mart. crl. l. l. Conferva nodosa junior tota gelatinosa Wallr. l. l. Batrachosperma ludibunda confusa Bory. B. nigricans DC. bullet. philom. Chara batrachosperma Weis spic.* 33. *c. icon. Charospermum glomeratum Link. pr. pr. Conferva gelatinosa L. sp.* 1635. *Roth cat. I.* 125. *Engl. bot. t.* 689. *Dillw. conf. t.* 32. — *Dill. hist. t.* 7. *f.* 42—44.

β. detonsa, physcumate a basi inde per internodia distincta diaphana sensim tenuata protracto-cuneiformia, nodis sphaericis ex spermatidiis emersis velutinis saturatioribus interstincto articulationem geniculatam *s.* insiticiam mentiente ibique ramos conformes sensim teniores magisque approximato-nodulosos veluti proliferos vagos irregularesque emittente. — *Batrach. moniliforme k. detersum Agrdh syst.* 55.; *γ. aetate media atroviolacea Mart. l. l. B. gelatinosum γ. atrum Wahlenb. suec. l. l. Conferva nodosa B. aetate media Wallr. ann.* 289. *t.* 6. *f.* 6. *excl. syn. Mert. Lemanea batracho-*

spermosa Bory in Berl. Mag. Batrachospermum tenuissimum Bory. Dub. gall. II. 978. *Chantransia atra et dichotoma DC. Conferva atra Huds. angl. Dillw. conf. t.* 11. *Spr. pug. I.* 65. *C. putealis Spr. in lit.* — *Dill. hist. t.* 7. *f.* 46.

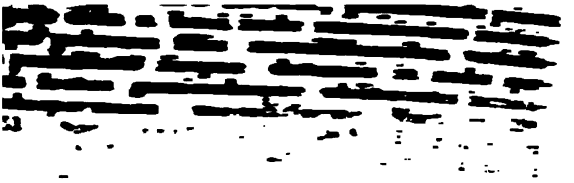
γ. spermatophora, physeumate ramosissimo a basi inde ad apicem nodis sphaericis intercepto, his internodiisque cylindricis approximatis demum spermatidiis innatis obsessis. — *Conferva nodosa C. perfecta fructifera Wallr. ann. l. l. t.* 6. *f.* 8. *C. verrucosa Draparn. Lemanea Dillenii et sertularina Bory. B. tenuissimum β. sertularinum Dub. l. l.*

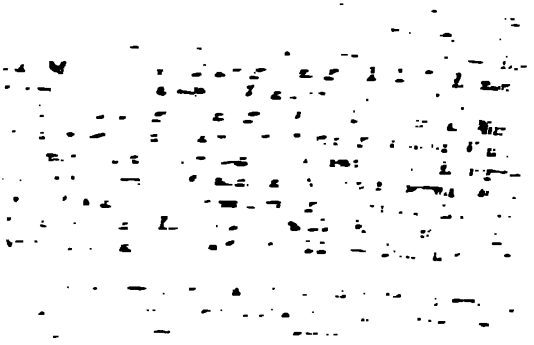
In aquis duris limpidis fontibusque frigidis ex solo calcareo stillantibus v. c. agri hal. et thuring. (*Ruppius. Sprengel. Wallr.*), gotting. (*Weis. Weber. Wallr.*) et aliis suisque locis passim. Formas s. aetates *β.* et *γ.* rarissime intercurrentes, Angliae antea indigenas, equidem primum florae thuring. (ad Lodersleben) et gotting. (auf der Rasenmuhle) restitui. (Formae hae, quas post *Dillenium* dudum in memoriam revocavi, habitu plane dissimili praecellunt, morphoseos legibus tamen facile patent. Color in omnibus varius, nunc pallide-s. sordide viret, nunc violaceus, isque ad nodos et ad internodia eo magis nigrescere videtur, quo magis spermatidia diffunduntur et ad interstitia sine illis hyalina magisque tenuata transeunt vel dissipantur.)

101. CHORDARIA AG. EMEND. *Schleimsaite.*

Physeuma filare s. funiculare cylindricum continuum farctum s. fistulosum obsolete disseptum gelatinosum extus spermatidiis pyriformibus saepius in fila arachnoidea diffluentia mucosa nonnisi persistentia undique succrescentibus foetum illaque circa extremitates potissimum recolligens.

(*Batrachospermi spec. auct. Polycoma Palis. Beauv. Thorea Bory in Berl. Mag.* 1808. *Agrdh. Chaetospora Agrdh. nec Rob. Br. Mesogloea Agrdh. Chordariae et Scytosiphonis sp. Agrdh. Chorda Lyngb.* — Genus habita





hist. t. 7. f. 46.

γ. spermatophora, physcumate ramosissim... inde ad apicem nodis sphaericis intercepto, his h... drisque cylindricis approximatis demum spermatid... natis obsessis. — *Conferva nodosa C. perfecta fr... ra Wallr. ann. l. l. t. 6. f. 8. C. verrucosa D... Lemanea Dillenii et sertularina Bory. B. tenuiss... β. sertularinum Dub. l. l.*

In aquis duris limpidis fontibusque frigidis e... calcareo stillantibus v. c. agri hal. et thuring. (*B... Sprengel. Wallr.*), gotting. (*Weis. Weber. W...* aliis suisque locis passim. Formas s. aetates *β.* rarissime intercurrentes, Angliae antea indigenas, dem primum florae thuring. (ad Lodersleben) et g... (auf der Rasenmühle) restitui. (Formae hae, quas *Dillenium* dudum in memoriam revocavi, habita dissimili praecellunt, morphoseos legibus tamen patent. Color in omnibus varius, nunc pallide-s. de viret, nunc violaceus, isque ad nodos et ad inter... dia eo magis nigrescere videtur, quo magis sporae diffunduntur et ad interstitia sine illis hyalina magis tenuata transeunt vel dissipantur.)

...RIA AG. EMEND. *Schleimseite.*

lo e basi inde in alios ramos conformes subaequales vagos eorumque rudimenta brevia tentaculata s. ramenta exserente, extus undique spermatidiis moniliformibus constipatis, superficiem lubricam (siccando) velutinam s. extremitates rugoso-tortulosas praestantibus conflato. — *Sporochnus rhizodes Agrdh spec. I.* 156., *syst.* 260. *Chordaria rhizodes Agrdh syn.* 15. *Lyngb. hydroph.* 52. *t.* 13. *Fucus rhizodes Turn. hist. t.* 235. *(lusus robustior). Ceramium tuberculosum Roth cat. III.* 112. *Conferva verrucosa Engl. bot. t.* 1688. *C. gracilis Wulff.*

β. paradoxa, ramulis extremis attenuatis. *Agrdh l. l. Fucus rhizodes β. tenuior Wahlenb. succ. II.* 892. *Chordaria paradoxa Lyngb. hydroph.* 53. *t.* 14. *Scytosiphon paradoxus Flor. dan. t.* 1595. *f.* 2. *Conferva paradoxa Roth cat. III.* 172. *C. rhizodes Ehrh. in herb. Web. et M. in Dillw. conferv. IV.* 13.

Ad litora maris septentrionalis, rarissime. *(Mertens.)*

1152. *Ch. flagelliformis Ag.*, physcumate filari continuo gelatinoso, sicco fuscescente duriusculo, a basi inde virgato-ramosissimo extus undique spermatidiis innatis superficiem lubricam praestantibus foeto iisque nonnisi hinc inde in fila tenuissima articulata succrescentibus penicillato. *Chordaria flagelliformis Agrdh spec.* 166. *Lyngb. hydroph.* 51. *Scytosiphon tomentosus Hornem. flor. dan. t.* 1594. *f.* 2. *Lyngb. hydroph.* 62. *excl. syn. Gigartina flagelliformis Lamour. Fucus longissimus Stackh. Fucus flagelliformis Flor. dan. t.* 650. *(m. proliferum). Turn. hist. t.* 85. *Engl. bot. t.* 1222. *Jürg. alg. II.* 2. *Conferva dichotoma Flor. dan. t.* 358.

E mari septentrionali ad litora rarius ejicitur, copiosa ad insulam Helgoland, nonnisi Fuco serrato adnata (*Jürgens*), ad insulam Rugiae (*Laurer*). (Longitudo 1-pedalis digitalisve; crassities fili s. pennae tenuissimae. Substantia mollis omnino ac flexilis ob spermatidia lubrica eorumque nonnisi in fila succrescentium ope papyrum conglutinat.)

1153. *Ch. filiformis W.*, physcumate funiculari

continuo tubuloso gelatinoso sordide purpurascente, siccando virescente, a basi adnata tenuata inde undique alia physcumata lateralia disticha s. ramosa turgida duplo crassiora obtusa in basin similiter tenuata saepius praelonga adscendentia exserente, spermatidiis pyriformibus innatis undique vestito iisque lubrico. — *Solenia filiformis Spr. syst. IV.* 368. *Halymenia filiformis Agrdh spec.* 214., *syst.* 245. *Ulva contorta DC. gall. II.* 10. *Ulva filiformis Wahlenb. lapp.* 508. *Gastridium filiforme Lyngb. hydroph.* 68. *t.* 17. *excl. syn. pl. Jürg. alg. XII.* 1. *Halymenia purpurascens Grev. cr. t.* 240. *?Ulva purpurascens Engl. bot. t.* 641. *U. incrassata Flor. dan. t.* 653. *et t.* 1664. *Dumontia incrassata Lamour. Dub. gall. II.* 941. *Conferva filiformis Flor. dan. t.* 1480. *f.* 2. *Fucus contortus Gmel. fuc. t.* 22.

E mari septentr. ad litora insulae Norderney rarius ejicitur (*Jürgens*). (Miram de genere apud varios auctores dissensionem summamque, quae inter hanc et Ch. Fili var. fistulosam intercedit communionem, habitus quadantenus alienus solum potuit machinari. Spermatidia primum penitius innata dein emersa punctula subtilissima et superficiem glutinosam, in exsiccatis etiam humectando eliciendam praestant. Variat a mole fere capillari ad digiti minoris crassitiem et talis plerumque contorta redditur.)

1154. *Ch. Filum W.*, physcumate funiculari continuo simplicissimo praelongo subfistuloso extus undique spermatidiis pyriformibus innatis s. emersis superficiem lubricam praestantibus foeto iisque faventibus nonnisi in alia articulata arachnoidea mucosa penicillata prolifero.

α. lubrica, physcumate ex spermatidiis innatis lubrico praelongo minus inflato, hinc inde dissepto. — *Scytosiphon Filum Agrdh spec. I.* 161., *syst.* 257. *Chorda Filum Lamour. Lyngb. hydroph. t.* 18. *Flagellaria filum Stackh. Fucus tendo Esper fuc. t.* 22. *Ceramium Filum Roth germ.* 479. *Fucus Filum L. sp.* 1631. *Flor. dan. t.* 821. *Turn. hist. t.* 86. *Wahlenb. succ. II.* 891. *Jürg. alg. III.* 1.

penicillata, physcumate ex spermatidiis magis emer-latinoso s. velati tomentoso. — *Scytosiphon Filum mentosus Agrdh l. l. Chorda tomentosa Lyngb. ph. t. 19.*

inflata, physcumate inflato fistuloso abbreviato te-membranaceo labrico. *Scytosiphon Filum ε. fistu-Agrdh l. l. Encoelium Lyngbyanum Grev. cr. t. Scytosiphon fistulosum Agrdh disp. 24. Lyngb. hy-. 66. Conferva fistula Roth cat. III. 169. Ulva va Huds. angl. 569. Engl. bot. t. 642. Dub. gall. 7. Jürg. alg. XVII. 2. U. Filum Gouan. U. lum-is Lamour. U. simplicissima Clement.*

ter Helgoland et Wangeroge in maris facie flui-a, plurium ulnarum longitudine insignem legit cl. *ns*, ad oras Frisiae orient. a mare frequentius *m Rothius.* (Stirps singularis, praeter coloris va-s, aliis innumeris mutationibus ad longitudinem, ieni, superficiem et dissepimentorum interanearum am obnoxia, ex quibus praeter var. lusus *α. capil-*phys. tenuato capillari abbreviato (*Scytos. Filum ix Agrdh l. l. Ch. Filum var. trichodes Lyngb. thrix Stackh.*); *β. dissepta*, phys. abbreviato nde s. prope extremitates constricto, fines articula-ulosos mentiente (*Scytos. Filum γ. lomentarius dh. Ch. lomentaria Lyngb. hydroph. t. 18. Fucus DC., var. cum fructu glandiformi Roth germ. l. l.*) gui possunt. Spermatidia in physcumate vivo s. ua calida madefacto, digitos inquinant et mucosos at.)

Ordo II.

DERMATOPHYKEA W. *Hauttange.*

egetabilia aquatica, rarissime terrestria, nunc colla-globosam tunica hyalino-membranacea exceptam *atophysinges*) praestantia, nunc filaria e basi ple-ae adnata libere natantia, physcumatibus fistulosis

distinctis iisque articulatis (*arthronemata*), sive inter
conjugatis (*gryphonemata*), sive continuis omnino et c
pillaribus (*trichonemata*) praecellentia, nunc ob mem
branam utramque compaginatam latescentia magis et
formam thalloden s. plynthoden expansa (*dermatoplynthia*
habitu prorsus vario plerumque tamen ex spermatid
translucentibus virorem laetum herbaceum subeunti
praeter condylia gemmacea (*coniocystae Ag.*) sperma
diis propagationi inservientibus per substantiam inter
neam undique diffusis s. in strias transversas s. annulare
fascias, puncta, crucem saturatius tinctam cum ordi
quodam congestis foeta, clonariis veris destituta.

(*Algae Nostochinae, Confervoideae, Ulvaceae Agrd
Algae Confervinae, Solenotae et Ulvaceae Spr. sy
Confervaceae Leibl.*)

*A. Dermatophysinges, spermatidiis globosis s. mox
liformibus physinges vesiculosas tunica hyalina except
infarcientibus cum myxophysingibus praeter integume
tum externum conformibus, minus tamen lubricis n
tam facile inter digitos diffluentibus.* (*Algae Nost
chinae Ag.*) — Prima lichenum homoeomericorum aem
lantur primordia nec quoque a gonidiorum heteromer
corum asynthetorum habitu externo plane discrepar
Hinc *Agardhii* commenta, Nostoc generis species te
restres dein in Collemata invalescere et Palmellas aeq
ac Protococcos geophilos Algis adnumerandos esse, fict
tia facile dispelluntur nec hypothesin restringunt, Nost
commune, de quo auctores disceptant, lichenem s. Thron
bium Nostoc meum praestare.)

a. physingidibus filis moniliformibus farctis.

102. NOSTOC AG.

Physinges gelatinosae subglobosae filis moniliformib
curvatis farctae, velamine hyalino tunicato excepta
(*Nostoc Vauch. Ag. nec Paracels. et excl. spec. terrestribu*

† *physingibus globosis.*

1155. *N. sphaericum Vauch.*, physinge globo
so solida subaggregata laevi atro-viridi. — *Nostoc spha*

ricum Vauch. Agrdh syst. 20. *Spr. syst. IV.* 372. *N. pusillum Moug. et Nestl. vog. n.* 799. *Linckia granulata Roth. Ulva pruniformis Huds. Conferva Pisum Flor. dan. t.* 660. *f.* 2. *pr. pr. Die Wassererbse Müll. im Naturf. XVII. t.* 64. — *Dill. hist. t.* 10. *f.* 17.

In fossis aqua dulci repletis passim, variis Germaniae locis.

1156. *N. pruniforme Ag.*, physinge globosa solitaria dein atro-virente subcoriacea polita. *Nostoc pruniforme Agrdh syst* 20. *Lyngb. hydroph.* 200. *t.* 68. *Spr. syst. IV.* 372. *Tremella pruniformis Roth germ. III.* 548. *Web. spic.* 219. *Ulva pruniformis L. syst. IV.* 586. *Weig. obs.* 40. *t.* 2. *f.* 4. *nec Gunn.*

In lacubus profundioribus aqua dulci repletis eorumque fossis, nunc libere natans, nunc aliis plantis s. ligno appensum, passim. (Physinges a pisi majoris ad pruni molem variae, primum glauco-virescunt et aliquam duritiem veluti edunt, dein adultae laetius virent, politae nitent, siccando autem corrugantur et membranae nigro-virescentis instar collabuntur.)

1157. *N. Rothii Ag.*, physinge vesicaeformi globosa intus cava s. utriculosa, tegmine subcoriaceo anguloso s. rotundato-lobato conflata fusco-viridi. *Agrdh syst.* 20. *Linckia verrucosa Roth cat.*

In stagnis ducat. oldenburg. (*Roth*). (Ambigit inter praecedentem et sequentem et forsan plane non differt.)

†† *physingibus difformibus.*

1158. *N. verrucosum Vauch.*, physinge vesiculosa subglobosa cava tegmine plicato laevi conflata. *Agrdh syst.* 21. *Vauch. conf. t.* 16. *f.* 3. *Lyngb. hydroph.* 199. *Nostoc coriaceum Agrdh l. l. nec Vauch. Tremella verrucosa L. Roth germ. III.* 554. *Leyss. hal. Tr. utriculata Hoffm. Linckia verrucosa Wigg. hols.* 94. — *Dill. hist. t.* 10. *f.* 16.

Ad saxa et sarmenta quaecunque rivulorum. (Physinges a pisi ad avellanae molem variae, subrotundae,

obtuse-lobatae, sinuosae, ex vesiculis pluribus inter se jugiter appensis compositae, fusco-virides, siccando collapsae, membranam piceam referentes.)

1159. *N. confusum Ag.*, physinge incondita utriculosa elata sursum dilatata gyroso-plicata. *Agrdh syst.* 22. *Spr. syst. IV.* 372. *Rivularia Linckia Roth N. Beytr. I.* 265. *Jürg. alg. XIX.* 8. *Web. et M. Beytr. II.* 351. *R. gigantea Trentep.*

In lacubus fossisque stagnantibus, agri hal., jeverna. et alibi, suisque locis frequens.

B. Dermatonemata, physcumatibus tubulosis distinctis nec inter se coactis, mole variis, nunc articulatis (arthronemata), nunc conjugatis (gryphonemata), nunc denique continuis membranaceis nisu latescendi, inflandi s. compaginandi insignibus, praeter condylia foras propulsa intus spermatidiis tum numero tum dispositione variis, foetis.

a. arthronemata, physcumatibus tubulosis, mole variis, arachnoideis, capillaribus s. filaribus per intervalla articulata constrictis s. geniculis articulos interstinguentibus interceptis ibique spermatidiorum viridium grumulis transversis longitudinaliterve congestis s. varie diffusis foetis. (Confervae filamentosae (Roth).

103. BOLBOCHAETE AG. *Kugelstachel.*

Physcuma tubulosum ramosum articulatum, ad summitates articulorum in setas bulbiferas continuas prolifesum s. ramulos accessorios emittens.

1160. *B. setigera Agrdh syst.* 123. *Lyngb. hydroph. t.* 45. *Spr. syst. IV.* 353. *Conferva setigera Roth cat. III. t.* 8. *f.* 1. *Jürg. alg. XIII.* 5. *C. vivipara Dillw. conf. t.* 59.

Ad plantas aquaticas agri jeverens. (*Jürgens*).

104. CONFERVA L. *Wasserfaden.*

Physcuma tubulosum membranaceum dissepimentis articuliformibus interceptum liberum s. adnatum simplex s. prolifero-ramosum conforme distinctum, spermatidiis interaneis effusis raro coactis foetum.

(*Conferva L. et auct. Prolifera Vauch. Oedogonium Lk. Hempelia Meyen. Polyspermae, Ceramii, Chantransiae, Oscillatoriae spec. qd. auct. gall.*)

⊛ *simplices, physcumatibus simplicissimis.*

a. bombycinae, physcumatibus filorum arachnoideorum molem subaequantibus, liberis, viridulis.

† *hydrophilae s. aquarum dulcium.*

1161. *C. sordida Dillw.*, physcumate simplicissimo longissimo arachnoideo dense contexto virescente, articulis primum centro pellucidis dein hyalinis diametrum quater superantibus. — *Conferva bombycina Agrdh syst.* 88. *C. punctalis Lyngb. hydroph.* 138. *t.* 46. *Jürg. alg. XIX.* 3. *C. fugacissima Lyngb. t.* 46. *f.* 1. *C. sordida Dillw. conf. t.* 60. *Spr. syst. IV.* 355. *C. breviarticulata Mohr. C. serpentina Müll. Prolifera composita Vauch. conf. t.* 14.

In fossis et stagnis Germau. borealis passim.

1162. *C. floccosa Ag.*, physcumate simplicissimo tenerrimo sublubrico stratum bullosum mentiente hyalino-virescente, articulis diametrum subaequantibus s. longitudine variis. *Conferva floccosa Agrdh syst.* 89. nec *Jürg. C. fugacissima Lyngb. hydroph. t.* 46. *f.* 1. 2. *Dillw. conf. t. B. Hempelia floccosa Meyen b. Zeit.* 1827. *Prolifera floccosa Vauch. conf. t.* 14. *f.* 3. *Conferva sordida Engl. bot. t.* 2303.

In similibus cum priore locis. (Articuli minus perspicui eorumque longitudo varia. *Jürgensii* alga (XVI. 7.) homonyma satis singularis, *Agardhio* teste proprii generis speciem forsan sistit.)

1163. *C. mucosa Mert.*, physcumate simplici lubrico

tenuissimo viridi-flavente, exsiccando fasciam longitudinalem exhibente, articulis diametrum subaequantibus. — *Conferva mucosa Mert. Agrdh syst.* 90. *Dillw. conf. t. B.*

In fossis turfosis Angliae primum detecta, nec tamen a nostris etiam aliena esse videtur.

1164. *C. fragilis Roth*, physeumate simplici viridi pellucido curvo fragili, articulis diametro octies longioribus. — *Conferva fragilis Roth cat. II.* 104. *Agrdh syst.* 86.

In turfosis German. borealis. (*Roth.*)

1165. *C. hyemalis Roth*, physeumate simplici mucoso ferrugineo subdiaphano fragili, articulis rectangularibus diametrum subaequantibus. — *Roth l. l. Agrdh l. l. Jürg. XVII.* 6.

In aquis lente fluentibus (*Roth.*)

1166. *C. zonata W. et M.*, physeumate simplici tenui lubrico hyalino-viridi, articulis subquadratis fascia transversali demum in globulum collabente notatis diametrum subaequantibus. — *Conferva zonata Web. et M. Reise* 97. *t.* 1. *f.* 7. *Lyngb. hydroph. t.* 45. *Flor. dan. t.* 1838. *f.* 1. *Agrdh syst.* 90. *Oedogonium zonatum Link. Conferva lucens Dillw. conf. t.* 42. *Engl. bot. t.* 1655. *Draparnaldia confervoides Bory.*

Ad lapides rivulorum limpidorum suis locis minime rara v. c. in agro wirceburgensi. (*Leiblein.*)

1167. *C. dissiliens Dillw.*, physeumate simplici tenuissimo lubrico aequali, articulis diametro brevioribus fascia spermatidiorum lata notatis. — *Conf. dissiliens Dillw. conf. t.* 63. *Agrdh syst.* 90. *nec Jürg. C. bicolor Engl. bot. t.* 2288. *Cadmus dissiliens Bory.*

In aquis stagnantibus German. mediae.

1168. *?C. compacta Roth*, physeumate simplicissimo arachnoideo lubrico densissime compacto, geniculis annularibus, articulis obsoletis mediotenus prominulis. *Roth cat. I.* 170. *t.* 1. *f.* 4., *flor. germ. III.* 497. *Dillw. conf. t.* 59. *Agrdh syst.* 91. *Jürg. alg. IV.* 8.

In aquis lente fluentibus agri jeverens. (*Jürgens*), ad ripas Visurgis (*Roth.*) (Differt a Conferva rivulari: colore saturatiore, physcumate ipso crispato, siccando toruloso nec alternatim compresso; geniculis latioribus, articulos medioteuus magis turgescentes intercipientibus.)

†† *halophilae, aquarum salsarum s. marinarum.*

1169. *C. implexa Dillw.*, physcumate simplici tenui molli crispato-implexo, articulis diametro duplo longioribus. *Agrdh syst.* 81. *Dillw. conf. t. B. Lyngb. hydroph. t.* 49. *Spr. syst. IV.* 356. *Engl. bot. t.* 2309. *Bangia viridis Hornem. fl. dan. t.* 1601. *Ceramium glomeratum DC. gall. II.* 48. (*teste Dub.*)

In mari septentrionali. (*Sprengelius* C. flavicantem et C. orichalceam *Mert.* hujus putat formam senilem.)

1170. *C. flavicans Mert.*, physcumate simplici capillari implicato-tortuoso flavescente, articulis diametrum aequantibus fere quadrangularibus. *Mert. in Jurg. alg. V.* 9.

In oris maritimis agri jevereus. et insulae Spiekeroge. (*Mertens et Jürgens.*)

b. trichinae, physcumatibus capillaribus s. setaceis, articulis grumulo spermatidiorum globuloso foetis, exsiccando alternatim contabescentibus. (Confervae capillares Agrdh. Oedogonium Lk. Leibl.)

† *geophilae, humum udam obducentes.*

1171. *C. ericetorum Roth*, physcumate tenuissimo praelongo dense implexo pallide viridi s. e viola fuscescente, articulis diametrum subaequantibus, spermatidiorum grumulos subquadratos laxe comprehendentibus. — *Conferva ericetorum Roth cat. III.* 213. *II.* 206. *t.* 5., *germ.* 507. *Dillw. conf. t.* 1. *Flor. dan. t.* 1548. *Lyngb. hydroph. t.* 47. *Engl. bot. t.* 1553. *Grev. cr. t.* 261.

In ericetis turfosis, sphagnosis tersis ipsisque promontoriis udis Thuring. et Hercyn. minime rara. (Variat coloris ratione et tenacitate pro loci aprici umbrosique varietate et ad aetatem variam spermatidiorum

grumulos diversimode, a *Dillwynio* et *Rothio* (*in Web. et M. Conf. t. 1. a. b.*) propositos digestos consarcinat.)

†† *hydrophilae, aquarum dulcium.*

1172. *C. fugacissima Roth*, physeumate tenuissimo recto hyalino arachnoideo (inter exsiccationem velati evanido), geniculis obscuris, articulis centro diaphanis. *Roth cat. I.* 176. *t. 2. f. 3., germ. III.* 503. *Agrdh syst.* 93. *?Jürg. alg. XIV.* 6. *nec Lyngb. C. punctalis Jürg. alg. XIX. 3. pr. pr.*

In fossis agri bremens. (*Roth. Mertens.*) (Siccata flavo-virescit, splendet et bombycem tenuissimam tenacellam refert, ex physeumatibus intricatissimis contextam.)

1173. *C. tumidula Sm.*, physeumate simplicissimo tenerrimo hyalino, articulis cylindricis elongatis demum inflatis ellipticis, spermatidiorum grumulo viridi foetis. *Conferva tumidula Sm. engl. bot. t. 2376. Agrdh syst. 93. C. inflata Engl. bot. t. 1670. Oedogonium tumidulum Link.*

In aquis stagnantibus, v. c. agri wirceburg. (*Leiblein.*)

1174. *C. Candollei Ag.*, physeumate simplici tenui, articulis diametro triplo longioribus utrinque inflato-globosis. *Agrdh syst. 94. Oedogonium Candollii Link. Prolifera Candollii Lecrl.*

In aquis stagnantibus agri wirceburg. (*Leiblein.*)

1175. *C. capillaris Ag.*, physeumate simplici varie flexo laxiusque intricato, articulis diametrum subaequantibus, siccando alternatim contabescentibus, spermatidiis demum effusis. *Agrdh syst. 96. nec Lyngb. et Jürg. — Dill. hist. t. 5. f. 25. B.*

In fossis et stagnis passim.

1176. *C. rivularis L.*, physeumate simplicissimo capillari longissime producto fluctuante recto aequali nitidulo saturate-virente, articulis farctis diametro triplo-s. quadruplo longioribus, exsiccando alternatim contabescentibus, spermatidiis in grumulum infarcientem lineasque latescentes demum coactis. — *Conferva rivularis L. syst.*

720. *Weis cr.* 20. *Roth germ. III.* 496. *Engl. bot. t.* 1654. *Agrdh syst.* 93. *Lyngb. hydroph. t.* 46. *Flor. dan. t.* 881. *Jürg. XIV.* 7. *C. capillaris auct. ipsiusq. Jürg. alg. XII.* 5. *Chantransia rivularis DC. gall. II.* 51. *Prolifera rivularis Vauch. conf. t.* 14. *f.* 1. *Pr. Cuvieri Leclerc. Conferva funicularis Roth cat. I.* 161. — *Dill. hist. t.* 2. *f.* 1.

In fossis et fluviis lente fluentibus vulgaris, caute tamen a praecedente et a C. crispata distinguenda.

†† *halophilae, aquarum salsarum s. marinarum.*

1177. *C. Jürgensii Mert.*, physcumate simplici longissimo flexili contracto-geniculato, spermatidiis in quincuncem dispositis dein in punctum confluentibus articulumque diametro paullo longiorem hyalinum reliquentibus. — *Conferva Jürgensii Mert. in Jürg. alg. II.* 6. *Agrdh syst.* 100. *Spr. syst. IV.* 357.

Ad litora maris septentrion. (*Jürgens*). (C. aëreae proxima dicitur, quae potius ad C. ripariam vergit vel C. rivularem multo tenuiorem praestat. Spermatidia varie disposita.)

1178. *C. aërea Dillw.*, physcumate simplici adnato stricto rigido seta crassiore, articulis diametrum vix aequantibus genicula constricta interstinguentibus. *C. aërea Dillw. t.* 80. *Agrdh syst.* 100. *Spr. syst. IV.* 357. *C. vermicularis Roth. C. antennina Bory.*

In aestuariis German. borealis. (Physcumate adnato rigidulo ad ordinem sequentem vergit.)

1179. *C. Melagonium W. et M.*, physcumate simplici adnato rigido stricto, articulis diametro duplo longioribus, exsiccando ellipticis. *Agrdh syst.* 99. *Web. et M. Reise t.* 3. *f.* 2. *Dillw. t. B. Lyngb. hydroph. t.* 51.

Ad maris septentrion. litora.

1180. *C. tortuosa Dillw.*, physcumate simplici rigidulo crispato implexo tenui, articulis opacis cylindricis diametro triplo longioribus. *Agrdh syst.* 98. *Dillw. conf. t.* 46. *Engl. bot. t.* 2220. *Jürg. alg. XVII.* 8.

In stagnis marinis et ad rupes maris septentr. (*Jürg.*)

1181. *C. margosa Mert.*, physcumate simplici elongato flexuoso, articulis diametrum subaequantibus, geniculis subtumidis hyalinis. *Spr. syst. IV.* 357.

In aestuariis German. borealis. (*Mertens.*)

1182. *C. Linum Roth*, physcumate simplici longissimo subfuniculari rigidulo laxe implexo, articulis diametrum subaequantibus turgidis veluti punctatis s. exsiccando variegatis, geniculis annularibus pellucidis interstinctis. *Conferva Linum Roth cat. I.* 178., *germ. III.* 301. *Jürg. alg. III.* 10. *Lyngb. hydroph. t.* 50. *Agrdh syst.* 97. *Flor. dan. t.* 771. *f.* 2. *Ceramium Linum DC. gall. C. melagonium Flor. dan. t.* 1483. *f.* 1. *C. capillaris Web. et M. Reise t.* 9. *Huds. With. ipsiusque L. sp.* 1636. *teste Wahlenb. suec. Dillw. conf. t.* 9. (*quae C. crassa Ag.*) — *Dill. hist. t.* 5. *f.* 25. *A.*

Ad litora maris septentrion., ducat. oldenburg. (*Roth*), agri jevereus. et Frisiae orient. (*Jürgens*). (Physcumatum longissimorum, rigidulorum, laete viridium, saepius tamen sordibus spurcorum complexus strata densa, diffusa perficiunt, Ruppiae s. Potamogetonis marini habitum fingentia.)

c. fasciculatae, physcumatibus adnatis in comam penicillatam fasciculatam collectis, rigidulis, viridibus s. e fusco decoloribus.

1183. *C. Youngana Dillw.*, halophila, physcumate simplici tenui adnato rigidulo curvato viridi, articulis diametro subaequalibus submoniliformibus. *Agrdh syst.* 101. *nec syn. Dillw. conf. t.* 102. *Spr. syst. IV.* 357. *?C. isogona Engl. bot. t.* 1030. *Agrdh syst.* 102.

Ad litora maris septentrionalis

1184. *C. flacca Dillw.*, physcumate simplici tenuissimo curto flaccido, articulis diametro subbrevioribus viridibus, geniculis pellucidis. *Agrdh syst.* 102. *Dillw. conf. t.* 29. *Lyngb. hydroph. t.* 49. *Jürg. alg. XVIII.* 4.

Ad Algas majores (Fucum vesiculosum) versus insulam Norderney rejectas. (*Jürgens.*)

1185. *C. flaccida Lyngb.*, physcumate simplici pertenui adnato rigidulo fuscescente attenuato, articulis inaequalibus, inferioribus diametro brevioribus, superioribus illum aequantibus. *Lyngb. hydroph. t.* 50. *Agrdh syst.* 102. *Engl. bot. t.* 2310. nec *Dillw. et Jürg. C. Youngana Agrdh syn.*

In similibus cum priore algis iisdem locis.

1186. *C. Fucorum Roth*, physcumate simplici recto curto, articulis ovalibus diametro sesquilongioribus. *Roth cat. Agrdh syst.* 102. *C. flaccida Jürg. alg. V.* 1. 9.

In priorum consortio ad litora insulae Norderney. (*Jürgens.*)

1187. *C. collabens Ag.*, physcumate simplici adnato tenui sublubrico, articulis variis diametrum plerumque aequantibus, geniculis pellucidis, spermatidiorum grumulum subquadratum, siccando tubo inflato reconditum interstinguentibus. — *Conferva collabens Agrdh syst.* 102. *C. aërea v. lubrica Dillw. C. aërea E. Bot. t.* 1929.

In mari germanico. (*Agardh.*)

1188. *C. hormoides Lyngb.*, physcumate simplici adnato rectiusculo filari caespitoso, articulis diametrum superantibus spermatidiorum grumulum subquadratum coactum laxe concipientibus, siccando inflato-constrictis subquadrangulis. — *Conferva hormoides Lyngb. hydroph. t.* 49. *Agrdh syst.* 101. *Spr. syst. IV.* 357. *C. flacca Engl. bot. t.* 1043. nec *Dillw. C. penicilliformis Roth.*

Ad litora maris insulae Norderney. (*Jürgens.*) (Sicca ex pulcherrimis, a praecedente tamen caute distinguenda).

1189. *C. fucicola Ag.*, physcumate simplici flaccido fastigiato lutescente, articulis pellucidis diametro sesquilongioribus. *Agrdh syst.* 103. *et auct. grd.*

Ad Fucos majores in mari baltico.

1190. *C. ferruginea Roth*, physcumate simplicissimo capillari rigidulo stricto fastigiato caespitoso pallide-ferrugineo, articulis siccando tenuiter inflatis ovatis

hyalinis inaequalibus, intermediis diametro duplo longioribus, summis confertioribus, illam subaequantibus, spermatidiorum grumulo annulari veluti disseptis. — *Conferva fucicola Dillw. conf. t. 66. Flor. dan. t. 1484. f. 2. Lyngb. hydroph. t. 50. Spreng. in Berl. Mag. 1809. t. 7. f. 11. (optima) Jürg. alg. I. 8. Wahlenb. lapp. 514., suec. II. 907.*

In Fuco vesiculoso et nodoso maris septentr. (*Roth. Jürgens*), insulae Rugiae (*Laurer.*)

1191. *C. dubia Leibl.*, physemmate adnato simplicissimo capillari rigidulo crispo 1–2 unciali caespitoso viridi, articulis hyalinis diametrum subaequantibus, spermatidiorum grumulis rotundis interstinctis. *Conferva dubia Leibl. bot. Zeit. 1827. p. 279. nec Roth.*

Ad caules Polygoni amphibii aliarq. pl. sub aqua putrescentes agri wirceburg. (*Leiblein*). (Spermatidiorum dispositione ad C. rivularem, habitu tamen hanc divisionem appellare videtur.)

ꝏ *ramoso-proliferae, physeumatibus ex geniculis alia conformia irregulariter emittentibus iisque veluti proliferis, habitum diffracto-ramosum mentientibus.*

d. proliferae, physeumate articulis longioribus intercepto ibique (praesertim extremis) alia conformia irregularia emittente, spermatidiis innatis colorato iisque evanidis hyalino, extus sordibus inquinato. Hydrophilae et halophilae.

(*Conferuae glomeratae Agrdh. C. ramosae Spr. Annulina Link.*)

1192. *C. stellaris Roth*, hydrophila, physeumatibus aequalibus tenuissimis subparallelis apice demum ramosis porrectis in basin confluentibus pulvinulumque mucosum mentientibus. *Conferva stellaris Roth germ. III. 494. Flor. dan. t. 660. f. 1. Agrdh syst. 106.*

Ad internum vitri aqua repleti parietem (*Trentepohl*), intra globos vitreos sutorum (*Wallr.*). (Species suspecta, intricatissima, *Agardhio* teste Draparnaldiae tenuis primordium.)

1193. *C. Aegagropila L.*, halophila, physeumatibus rigidis ramosissimis obtusiusculis e centro communi egressis globum constituentibus, articulis diametro quinquies longioribus, geniculis annularibus interceptis. *C. Aegagropila L. syst.* 973. *Roth germ. III.* 517. *Web. et M. Reise I. t. 1. f. 7. Dillw. conf. t. 87. Engl. bot. t. 1377. Agrdh syst.* 118. *Wahlenb. suec. II.* 908. *Chlorotinum aegagropilum Gaill. Ceramium aegagropilum DC. gall. II.* 41. *Cf. Rudolphi in bot. Zeit.* 1827. *p.* 183. *Conferva brevissima Ehrh.*

Lacubus frigidioribus innatat v. c. pr. Warnemünde. (*Timm.*) (Physinges mentitur globosas, tri-lineares s. unciales, amoene-virides, ex physeumatibus densissime compactis, ramosissimis, tenuissimis, geniculis annularibus interceptis, conflatas.)

1194. *C. olivacea W.*, hydrophila, physeumate capillari parce-ramoso curto in strata fasciculata conjuncto olivaceo-fusco, geniculis tenuissimis annularibus interstincto, articulis diametrum duplo longioribus, spermatidiis globosis majusculis demum articulos hyalinos relinquentibus.

Ad palos quercinos aqua suffusos, Thuring. (Asporomyceten ferme aemulatur et a Confervis colore olivaceo quidem recedit, fabrica interna tamen congruit et cum Ceramio fusco *Vauch.* denuo comparanda est.)

1195. *C. congregata Ag.*, halophila, physeumate intricato ramoso, ramis adscendentibus in caespites fasciculatos subglobosos junctis, articulis diametro subaequalibus. *Agrdh syst.* 111. *Conferva uncialis Lyngb. hydroph.* 56. *Jürg. alg. XII.* 6.

Ad scopulos insulae Helgoland rarius. (*Jürgens.*)

1196. *C. crystallina Roth*, physeumate arachnoideo ramosissimo, ramis ramulisque subverticillatis alternis subdichotomis, articulis cylindricis diametro octies longioribus. *Agrdh syst.* 112. *Roth cat. III.* 75.

In mari baltico. (*Roth.*) (Dubia, forsan C. sericeae subscribenda.)

hyalinis inaequalibus, intermediis diametro duplo longioribus, summis confertioribus, illam subaequantibus, spermatidiorum grumulo annulari veluti disseptis. — *Conferva fucicola Dillw. conf. t.* 66. *Flor. dan. t.* 1484. *f.* 2. *Lyngb. hydroph. t.* 50. *Spreng. in Berl. Mag.* 1809. *t.* 7. *f.* 11. *(optima) Jürg. alg. I.* 8. *Wahlenb. lapp.* 514., *succ. II.* 907.

In Fuco vesiculoso et nodoso maris septentr. (*Roth. Jürgens*), insulae Rugiae (*Laurer.*)

1191. *C. dubia Leibl.*, physeumate adnato simplicissimo capillari rigidulo crispo 1–2 unciali caespitoso viridi, articulis hyalinis diametrum subaequantibus, spermatidiorum grumulis rotundis interstinctis. *Conferva dubia Leibl. bot. Zeit.* 1827. *p.* 279. *nec Roth.*

Ad caules Polygoni amphibii aliarq. pl. sub aqua putrescentes agri wirceburg. (*Leiblein*). (Spermatidiorum dispositione ad C. rivularem, habitu tamen hanc divisionem appellare videtur.)

⊙⊙ *ramoso-proliferae, physeumatibus ex geniculis alia conformia irregulariter emittentibus iisque veluti proliferis, habitum diffracto-ramosum mentientibus.*

d. proliferae, physemate articulis longioribus intercepto ibique (praesertim extremis) alia conformia irregularia emittente, spermatidiis innatis colorato iisque evanidis hyalino, extus sordibus inquinato. Hydrophilae et halophilae.

(Confervae glomeratae Agrdh. C. ramosae Spr. Annulina Link.)

1192. *C. stellaris Roth*, hydrophila, physeumatibus aequalibus tenuissimis subparallelis apice demum ramosis porrectis in basin confluentibus pulvinulumque mucosum mentientibus. *Conferva stellaris Roth germ. III.* 494. *Flor. dan. t.* 660. *f.* 1. *Agrdh syst.* 106.

Ad internum vitri aqua repleti parietem (*Trentepohl*), intra globos vitreos sutorum (*Wallr.*). (Species suspecta, intricatissima, *Agardhio* teste Draparnaldiae tenuis primordium.)

1193. *C. Aegagropila L.*, halophila, physcumatibus rigidis ramosissimis obtusiusculis e centro communi egressis globum constituentibus, articulis diametro quinquies longioribus, geniculis annularibus interceptis. *C. Aegagropila L. syst.* 973. *Roth germ. III.* 517. *Web. et M. Reise I. t.* 1. *f.* 7. *Dillw. conf. t.* 87. *Engl. bot. t.* 1377. *Agrdh syst.* 118. *Wahlenb. suec. II.* 908. *Chlorotitum aegagropilum Gaill. Ceramium aegagropilum DC. gall. II.* 41. *Cf. Rudolphi in bot. Zeit.* 1827. *p.* 183. *Conferva brevissima Ehrh.*

Lacubus frigidioribus innatat v. c. pr. Warnemünde. (*Timm.*) (Physinges mentitur globosas, tri-lineares s. unciales, amoene-virides, ex physcumatibus densissime compactis, ramosissimis, tenuissimis, geniculis annularibus interceptis, conflatas.)

1194. *C. olivacea W.*, hydrophila, physcumate capillari parce-ramoso curto in strata fasciculata conjuncto olivaceo-fusco, geniculis tenuissimis annularibus interstincto, articulis diametrum duplo longioribus, spermatidiis globosis majusculis demum articulos hyalinos relinquentibus.

Ad palos quercinos aqua suffusos, Thuring. (Asporomyceten ferme aemulatur et a Confervis colore olivaceo quidem recedit, fabrica interna tamen congruit et cum Ceramio fusco *Vauch.* denuo comparanda est.)

1195. *C. congregata Ag.*, halophila, physcumate intricato ramoso, ramis adscendentibus in caespites fasciculatos subglobosos junctis, articulis diametro subaequalibus. *Agrdh syst.* 111. *Conferva uncialis Lyngb. hydroph.* 56. *Jürg. alg. XII.* 6.

Ad scopulos insulae Helgoland rarius. (*Jürgens.*)

1196. *C. crystallina Roth*, physcumate arachnoideo ramosissimo, ramis ramulisque subverticillatis alternis subdichotomis, articulis cylindricis diametro octies longioribus. *Agrdh syst.* 112. *Roth cat. III.* 75.

In mari baltico. (*Roth.*) (Dubia, forsan C. sericeae subscribenda.)

1197. *C. lanosa Mert.*, physcumate arachnoideo recto inaequali subcaespitoso flavente, ramulis elongatis conformibus remotis, articulis ovato-oblongis diametro triplo longioribus. *C. lanosa Mert. in Jürg. alg. IX.* 10. *Agrdh syst.* 112. *Roth cat. III. t.* 2. *Lyngb. hydroph. t.* 56.

Fuco vesiculoso prope Wangerogen rejecto adnascitur. (*Mertens. Jürgens.*)

1198. *C. flavescens Roth*, hydrophila, physcumate capillari ramosissimo fasciculato, ramis patentibus subalternis, articulis oblongis diametro sexies longioribus. *C. flavescens Roth germ. III.* 511. *nec Wallr. ann. bot. Dillw. conf. t. E. Engl. bot. t.* 2088. ? *C. pennatula Flor. dan. t.* 945.

In lacu ducat. oldenburg. (*Roth.*) (Siccando flavescit, aliquantalum nitet vitroque arcte adhaeret.)

1199. *C. sericea Huds.*, physcumate capillaceo viridi demum rufo-lutescente nitente ramosissimo e basi dichotoma trichotomo superne in ramulos rigidulos subsecundos desinente, articulis diametro quinquies longioribus. *C. sericea Huds. Flor. dan. t.* 651. *Agrdh syst.* 113. *Spr. syst. IV.* 358. *Chloronitum sericeum Gaill. Ceramium sericeum DC. gall. II.* 42. — *Dill. hist. t.* 5. *f.* 33.

Ad litora maris septentrion. (Huic forsan non immerito *Sprengelius* l. l. Confervam puram, crystallinam, flavescentem *Roth*, laete-virentem *Dillw.*, Pennatulam *Vahl.*, C. fascicularem et C. Ruchingeri subscribit.)

1200. *C. laete-virens Dillw.*, physcumate capillaceo ramosissimo rigidulo, ramis arcuatis alios ramulos secundos approximatos breviores et tenuiores exserentibus, illorum articulis diametro latioribus, horum augustioribus. *Conferva laete-virens Dillw. conf. t.* 48. *Jürg. alg. XVI* 3.

Ad litora maris septentr. (*Jürgens*). (Cl. *Agardh* hanc C. glomeratae, *Sprengelius* C. sericeae subscribere jubet, quae ad *Jürgensii* specimina satis distincta arti-

valeamque natura a reliquis alienæ vel potius ad Ceramia accedere videtur.)

1286. C. *riparia Roth*, physemate capillari longissime ramosissimo, ramis brevibus divaricatis laxiusculis, articulis diametro duplo longioribus. *Agardh syst.* 106. *Engl. bot. t.* 2190. *nec Jürg. C. obtusangula Lyngb. hydrophyt. t.* 35. *? Zygnema litorum Lyngb. nec Agardhii.*

Ad ripas fluviorum nec non ad litora maris septentrionalis.

1287. C. *crispata Roth*, physemate capillari ramoso, ramis alternis remotis, articulis cylindricis diametro ternis-decimve longioribus siccando alternatim constrictiusculis. — *C. crispata Agardh syst.* 109. *Roth cat. II.* 275. *C. canalicularis Roth cat. II.* 218. *C. capillaris Engl. bot. t.* 2264. *ipsiusq. forsan Linn. et al. auct. C. crispa Dillen.*

In lacubus profundioribus agri hal. et alibi.

1288. *C. glomerata L.*, physemate capillari ramosissimo laete-viridi, ramis alternis, ultimis brevibus fasciculo subumbellis, articulis cylindricis diametro quater longioribus, spermatidiis annularibus interstinctis. — *Aconfium glomerata Link. Conferva glomerata L. sp.* 1637. *Web. et M.* 25. *Roth cat. Agardh syst.* 107. *Flor. dan. t.* 651. *f.* 2. *Dillen. muf. t.* 14. *Engl. bot. t.* 2192. *Lyngb. hydrophyt. t.* 33. *Jürg. alg. XI.* 2. *C. cristata Roth germ. III.* 312. *Chantransia glomerata Vauch. t.* 10. *f.* 4. *C. serians Leyss. hal. ?C. laete-virens Engl. bot. t.* 1958. — *Dill. hist. t.* 4. *f.* 16. 18. *t.* 5. *f.* 28.

In rivulis et torrentibus durioribus potissimum et lapidosioribus Thuring. et Hercyn. inferior. vulgaris, satis lubrique adnata, nec quoque aquis salsis et marinis deest (*var. marina Roth l. l.*). (Stirps vulgaris quidem et occurrens locum et aetatem perquam versipellis. Ejus primordia foliorum omnino, laete-viridia, Batrachospermum s. Nemaleam penitus semulantur, dein in physemata pennulantia tenuia, debilia satis ac flaccida, siccando

rigidula nec papyro jugiter adhaerentia, e basi subsimplici extremitatem versus sensim magis dichotomo-irregulariterque ramosa et in penicillos veluti finientia.)

1204. *C. rupestris L.*, halophila, physeumate stricto virgato ramosissimo rigidulo, ramis erectis, articulis cylindricis, quibusdam inflatis diametro triplo longioribus, exsiccando alternatim constrictis pellucidoque geniculatis. *Conferva rupestris L. sp.* 1637. *Flor. dan. t.* 948. *Roth germ. III.* 516. *Dillw. conf. t.* 23. *Wahlenb. suec. II.* 908. *Engl. bot. t.* 1699. *Lyngb. hydroph. t.* 54. *Jürg. alg. IX.* 5. *C. Hutchinsiae Jürg. alg. I.* 4. *Chloronitum rupestre Gaill. Ceramium rupestre DC. gall.* 42. *Conferva virgata et glauca Roth. — Dill. hist. t.* 5. *f.* 29.

Ad litora maris septentr. (*Jürgens.*) (Virorem saturum nonnisi glaucescentem siccata quoque retinet nec papyro adhaeret. Articulorum genicula saturate virentia inter se stria pellucida pertenui distincta et contracta cum articulis hyalinis inflatis habitum torulosum impertiunt.)

1205. *C. expansa Mert.*, halophila, physeumate capillari flaccido viridulo, ramis remotis alternis oppositisve, articulis diametro sexies longioribus medio angustioribus, siccando alternatim contractis. *Mert. in Jürg. alg. V.* 8. *Agrdh syst.* 114. *Spr. syst. IV.* 358.

In stagnis marinis agri jeverens. (*Mertens et Jürgens.*)

1206. *C. refracta Roth*, halophila, physeumate capillari ramosissimo, ramis tenuibus divaricato-refractis creberrimis, articulis diametro duplo longioribus. *Roth cat. II. Agrdh syst.* 114. *Spr. syst. IV.* 358. *C. fracta marina Lyngb. nec alior. C. albida Engl. bot. t.* 2327. *fig. dextr.*

In mari septentrionali (*Roth.*) (Habitu denso ramisque maxime tenuatis a sequentibus forsan differt.)

1207. *C. arcta Dillw.*, halophila, physeumate stricto virgato capillari ramosissimo hyalino-virente, ramis erectis incrassatis, articulis inaequalibus, inferioribus diametrum subaequantibus, superioribus multo longiori-

bus. *Agrdh syst.* 118. *Spr. syst. IV.* 359. *Engl. bot. t.* 2098.

Ad litora maris septentrion aliis passim.

1208. *C. fracta Vahl*, physcumate capillari ramosissimo viridi flexuoso, ramis teneris alternis divaricatis intricatis, articulis cylindricis diametrum ter quaterve superantibus. — *Vahl fl. dan. t.* 946 *Agrdh syst.* 110. *Dillw. conf. t.* 14. *Engl. bot. t.* 2338. *Jürg. alg. IV.* 9. *Lyngb. hydroph. t.* 52. *Wahlenb. succ. II.* 908. *C. divaricata Roth cat. I.* 179. *t.* 3. *f.* 1., *germ. III.* 510. *C. vagabunda Angl. C. patens Agrdh syst.* 110. *C. flexuosa Agrdh syn. DC. Dillw. conf. t.* 10. *Flor. dan. t.* 882. — *Dill. hist. t.* 3. *f.* 11.

In stagnis praesertim marinis. (Physcumate superne in ramos divaricatos divulso, in caespites insignes juncto praeprimis a praecedente differt, quae alioquin perquam variabilis est materque aliarum complurium specierum. Color enim tum ex spermatidiis interaneis tum ex corpusculis membranae externae adfixis, nigredinem sordidam mentientibus pendens, varius, hyalinus nunc virens, nunc nigricans. Nec quoque ramulorum copia et articulorum longitudo notas praestant stabiles et var. *marinarum* titulo coram sunt spec. ex geniculis undique proliferis, ramentis verticillatis fere onusta, specierum plurium valorem infringentia. Ex eorum numero sunt: *Conferva pulverulcata Mert. in Jürg. alg. XIX.* 4., physcumate primario nigricanti-punctato, reliquis hyalinis; *C. heterochlora Agrdh syst.* 115. (*C. albida Jürg. alg. III.* 5. *Dillw. t. E. nec Roth. Ceramium densum Roth germ. III.* 473.) similibus plane notis nec aliis recognoscenda, et *C. aspera Ag. syst.* 115. (*C. nigricans Roth germ. I.* 471. *Ceramium asperum cat. II.* 180. *Spr. syst. IV.* 359.) vix nisi punctis elevatis papulosis (sicut in Chara papulosa mea) colorem nigricantem impertientibus habituque robustiore diversa.)

1209. *C. usneoides Wallr.*, hydrophila, physcumate membranaceo funiculari ex geniculis annularibus

contractis parce remoteque prolifero demum extus papuloso, articulis cylindricis inflatis siccando alternatim compressis ligamentosis diametro ter quaterve longioribus. —*Conferva usneoides Wallr. ann. bot.* 13. *t.* 6. *f.* *C. dilatata β. clavata Jürg. alg. XIV.* 5. *C. clavata Retz. C. flexuosa auct. qrd.*

In rivulis et fluviis agri hal. et Thuring. v. c. prope Heringam, saxis et graminum culmis adhaerens. (A reliquis omnibus physcumatis mole, fabrica stipata tenaciusmembranacea, spermatidiis primum interaneis effusis deinforsan profusis, superficiem papillosam mentientibus, s. denique C. nigricantis instar colorem s. C. flexuosae *Jürg. alg. VIII.* 10. sordide-nigricantem mentientibus differt, quamvis, C. fractae aemula hinc inde ex geniculis quibusdam alias proles s. ramos conformes at duplo graciliores emittat. Hinc dubia restat nec tamen cum Lemaniea torulosa, ad quam *Agardhius* retulit, conjungenda.)

1210. *? C. enterochlora W.*, halophila, physcumate capillari, articulis diametrum triplo longioribus geniculis annularibus pellucidis interceptis, spermatidia in cylindrum coacta tubulum laxe infarcientia includentibus. *?Conferva subdivisa Roth. Agrdh syst.* 107.

Inter alias Confervas ex insula Norderney ab amiciss. *Jürgens* missas equidem legi, quae fabrica interna ad C. hormoiden, geniculis ramosis ad hanc tribum spectat, spermatidiorum grumulo cylindrico tubulum hyalinum laxe infarciente coacto a reliquis recedit et potius ad Zygnemata reflectit.)

1211. *C. prolifera Roth*, halophila, physcumate tubuloso membranaceo cylindrico inflato ex articulis geniculato-constrictis alia lateralia conformia dichotoma fastigiata emittente habitumque catenatum mentiente, articulis primum spermatidiis viridibus dein profusis foetis inaequalibus, plurimis diametro triplo longioribus, ultimo productiore, his illisque siccando alternatim compressis. — *Conferva prolifera Roth cat. I. t.* 3. *f.* 2. *Jürg. alg. IX.* 9. *excl. syn. Dillw. Agrdh syst.* 119. *C. pellucida*

Huds. C. catenata Desf. Bryopsis confervoides Lenorm. Chlorosiphon proliferum Link. Ceramium catenatum DC. gall. II. 42. *C. aegagropila Wulff. C. fasciculata Roth l. l. — Dill. hist. t.* 5. *f.* 27.

Cum aliis Algis mixta illisque adnata e mari germanico ad insulam Norderney ejicitur. (Spermatidia primum inclusa dein forsan foras projiciuntur et articulos hyalinos reddunt.)

b. gryphonemata, physcumatibus tubulosis mole cartis, geniculiformibus interstinctis, inter se trabecularum transversalium ope conjugatis, spermatidiis varie dispositis foetis. (Confervae genuinae Ag.) (Tendunt vel praenotant physcumatum connubium plynthodes.)

105. ZYGNEMA AG. *Jochfaden.*

Physcuma tubulosum tenuiter membranaceum articulis geniculiformibus interceptum, dein per tubulos breves transversaliter exsertos connatum s. alterum cum altero copulatum, spermatidiis in stellas, maculas, spirasve dispositis foetum.

(*Zygnema Ag., Spr., Wahlenb. Mougeotia Ag. Confervae conjugatae auct. Diadenus Pal. Beauv. Conjugatae Vaush. Mart. Jugalis Schrank. Spirogyra et Globulina Link. Leda, Salmacis Bory.*)

† *astercocca, spermatidiis stellatis, physcuma maculato-punctatum praestantibus (Tendaridea et Ledae sp. Bory.)*

1212. *Z. cruciatum Ag.*, physcumate simplici lubrico viridi, articulis diametro duplo longioribus, spermatidiorum grumulis macularibus binis subrotundis stellas mentientibus, demum in maculas subrotundas s. quadratas confluentibus. — *Zygnema cruciatum, gracile, recurvum et stellinum Agrdh syst.* 77. *Z. stellatum Spr. syst. IV.* 360. *Globulina cruciata et gracilis Link. Conjugata bipunctata Mart. erl.* 293. *Conferva bipunctata Engl. bot. t.* 2463. *Dillw. conf. t.* 1. *Jürg. alg. VIII.* 7. *Roth cat. II.* 204. *C. cruciata DC. Tendaridea bi-*

punctata Desmaz. T. Castor Bory. Zygnema bipu tum Lyngb. hydroph. t. 60. Wahlenb. succ. II. Conjugata cruciata Vauch. conf. t. 6. f. 4. t. 7. Conferva stellina Müll. act. petrop. III. t. 2.

In aquis seguibus vulgaris. (Variat praeter col dilutius saturatiusve virentem s. subolivaceam d fere nigrescentem articulorum dimensione, articulis diametro triplo longioribus (*var. β. longius-artic Ag. l. l. C. bipunctata Dillw. t. 2. A. Conjugata tescens Vauch. conf. t. 6. f. 3.*), nunc articulis diame subaequantibus (*var. γ. brevi-articulata Agrdh Conferva bipunctata Dillw. B.*), et spermatidiorum mum in stellas binas dein vero in maculas quasi fluentium (*Z. bipunctati var. unipunctata Lyngb.*) d sitione.)

1213. *Z. pectinatum Ag.*, physeumatis adna ticulis diametro sesquilongioribus, spermatidiis ste transversis oblongatis veluti pectinatis. *Agrdh syst Lyngb. hydroph. t. 60. Jürg. alg. XI. 3. Conferv mistrangulata Roth. C. bipartita Dillw. conf. t. Engl. bot. t. 2302. ?Jürg. alg. II. 9. Globulina p nata Link. C. pectinalis Engl. bot. t. 1609. Conj pectinata Vauch. conf. t. 7. f. 4.*

In fluviis minime rarum. (Prioris varietatem *Sprengelius*).

†† *spirococca, spermatidiis in spiram dispositis.*) *macis Bory.*)

1214. *Z. quininum Ag.*, physeumate aequali, ticulis diametro triplo longioribus, spermatidiis in simplices primum acutiusculas demum arcuatas dispo *Agrdh syst. 80. Lyngb. hydroph. t. 25. Spirogyra qu Link. Conferva punctata Dillw. C. multistriata Roth. C. ralis Dillw. t. 3. pr. pr. C. quinina Müll. Conjugata p calis Vauch. conf. t. 5. f. 1. Conferva perticalis in act. petrop. III. t. 1. f. 2. DC. Salmacis qu Gaill.*

In aquis lente fluentibus et stagnantibus.

1235. **Z. deciminum** *Ag.*, physeumate simplici lu-
[illegible], articulis diametro quadruplo longioribus, sper-
[illegible] spiris duplicibus s. cruciatis, crucibus laxis
[illegible] *Agrdh syst.* 81. *Spirogyra decimi-*
[illegible] *Link.* *Conjugata retiformis* α. *lubrica Mart. erl.*
[illegible] *Conferva inflata Engl. bot. t.* 2376. *C. spiralis*
[illegible] *bot. t.* 1636. *C. nitida Dillw. conf. t.* 4. *f. A.*
[illegible] *Conferva decimina Müll. l. l.*
[illegible] *Ic. Iodem cum priore locis.*

1236. **Z. nitidum** *Ag.*, physeumate simplici lubri-
[illegible], articulis diametrum subaequantibus,
[illegible] spiris cruciatis tenuibus arctis. *Agrdh*
[illegible] *Salmonis nitida Bory. Conferva spiralis auct.*
[illegible] *retiformis* α. *Rothiana Mart. erl. l. l. pr. pr.*
[illegible] *Link. Conjugata princeps Vauch.*
[illegible] *et conjugata Roth cat. III.* 266.
[illegible] *t.* 819. *C. jugalis Flor. dan. t.* 883. *DC.*
[illegible] *t.* 2. *C. multistriata Roth. C. bullosa Hedw.*
[illegible] *t.* 2. *f.* 2. *Mich. gen. t.* 86. *f.* 6.
[illegible] *frequens.*

Z. condensatum *Ag.*, physeumate aequali,
[illegible] diametro subaequalibus, spermatidiorum spiris
[illegible] *Agrdh syst.* 80. *Jürg. alg. XIV.* 8.
[illegible] *condensata DC. Spirogyra condensata Link.*
[illegible] *Vauch. conf. t.* 5. *f.* 2.
[illegible] *prolixioribus passim.*

[illegible] *spermatidiis in grumulos, tubum*
[illegible] *infarcientes coactis. (Mougeotia*
[illegible] *Zygnematis et Ledae sp. Bory.)*

Z. genuflexum *Ag.*, physeumate genuflexu
[illegible] in reticulum laxum copulato viridi,
[illegible] quater superantibus, spermatidiorum
[illegible] *Zygnema genuflexum Agrdh*
[illegible] *Hydroph. c.* 58. *Wahlenb. suec. II.* 911.
[illegible] *Agrdh syst.* 83. *Conferva genu-*
[illegible] *II.* 139. *Jürg. alg. III.* 7. *C. globifera*

punctata Desmaz. T. Castor Bory. Zygnema bipunc tum Lyngb. hydroph. t. 60. Wahlenb. succ. II. 9 Conjugata cruciata Vauch. conf. t. 6. f. 4. t. 7. f. Conferva stellina Müll. act. petrop. III. t. 2.

In aquis segnibus vulgaris. (Variat praeter colo dilutius saturatiusve virentem s. subolivaceam dem fere nigrescentem articulorum dimensione, articulis m diametro triplo longioribus (*var. β. longius-articul Ag. l. l. C. bipunctata Dillw. t. 2. A. Conjugata tescens Vauch. conf. t. 6. f. 3.*), nunc articulis diametr subaequantibus (*var. γ. brevi-articulata Agrdh L Conferva bipunctata Dillw. B.*), et spermatidiorum p mum in stellas binas dein vero in maculas quasi c fluentium (*Z. bipunctati var. unipunctata Lyngb.*) dis sitione.)

1213. *Z. pectinatum Ag.*, physeumatis adnati ticulis diametro sesquilongioribus, spermatidiis stell transversis oblongatis veluti pectinatis. *Agrdh syst. Lyngb. hydroph. t. 60. Jürg. alg. XI. 3. Conferva mistrangulata Roth. C. bipartita Dillw. conf. t. 1 Engl. bot. t. 2302. ?Jürg. alg. II. 9. Globulina pec nata Link. C. pectinalis Engl. bot. t. 1609. Conjug pectinata Vauch. conf. t. 7. f. 4.*

In fluviis minime rarum. (Prioris varietatem hal *Sprengelius*).

†† *spirococca, spermatidiis in spiram dispositis.*) *S macis Bory.*)

1214. *Z. quininum Ag.*, physeumate aequali, ticulis diametro triplo longioribus, spermatidiis in spi simplices primum acutiusculas demum arcuatas disposi *Agrdh syst. 80. Lyngb. hydroph. t. 25. Spirogyra quin Link. Conferva punctata Dillw. C. multistriata Roth. C. s ralis Dillw. t. 3. pr. pr. C. quinina Müll. Conjugata per calis Vauch. conf. t. 5. f. 1. Conferva perticalis M in act. petrop. III. t. 1. f. 2. DC. Salmacis quin Gaill.*

In aquis lente fluentibus et stagnantibus.

Il. 16. Spr. syst. IV. 360. Conferva reticulata Dill. hist. t. 6. f. 16. L. sp. 1635. Weis cr. 24. Dillw. conf. t. 97. Flor. dan. t. 1597. Engl. bot. t. 1687. Muscus aquaticus hoedepinae retiformis Lacc. pruss. 173. c. icon. 54.

In stagnis profundioribus libere natans, v. c. agri petting. (*Weis*), erlang., balens., oldenburg. et jeverens. (*Martius. Wallr. Roth. Jürgens*). (Alga perquam simplicis auctumni tempore in utriculum s. physingem obtingam, Ulvae intestinali plane non dissimilem, digitum crassum, ex physeumatibus in opus pentagono-reticulatum consertis conflata, ex initiis vernalibus exiguis s. ex emaya primi articuli velati matricalis adolescere solet. Physeumata aliquis longitudine et amplitudine, a crassitie capillari ad octan equinae crassioris molem variant eumque olim species imposuerunt.)

c. trichonemata, physeumate tubuloso continuo atfarinum capillari s. funiculari cum nisu quodam latescenti latitudinemque plysthodea adficiendi, spermatidia varia modo nec in formas distinctas digestis. (Oscillatoriaeae. Ulvaceae genera Agrdh. Solenotae Spr.)

107. CALOTHRIX AG. *Haarschopf.*

Physeuma arachnoideum continuum rigidulum intus spermatidiis intricatissimis annulatum.

(*Desmarestella Bory. Oscillatoriae et Confervae spec. auct.* — Genus dubium inter illa et Bangiam ambigens.)

† *physeumatibus simplicibus.*

1222. *C. nivea Ag.*, physeumatibus tenuissimis rigidulis niveis in caespitem sordide lutescentem fasciculatis. *Agrdh syst. 70. Oscillatoria nivea Spr. syst. IV. 362. Conferva nivea Dillw. Engl. bot. t. 2529.*

Inductibus sulfureis v. c. thermarum aquisgran. (*Wallr.*)

1223. *C. confervicola Ag.*, physeumatibus erectis minutis tenuissimis in basin fasciculatis primum laetevirentibus dein glaucescentibus. *Agrdh syst. 70. Desmarestella confervicola Bory. Dub. gall. II. 973. Oscillato-*

ria confervicola Ag. syn. Spr. syst. IV. 362. *Linckia ceramicola Lyngb. Conferva confervicola Flor. dan. t.* 1484. *f.* 1. *Engl. bot. t.* 2576. *Jürg. alg. XVIII.* 6.

Ad Algas tenuiores marinas, Ceramia v. c. et Chordariam Filum, in mari septentrionali.

1224. *C. scopulorum Ag.*, physcumatibus erectis curvato-flexnosis minutis in stratum velutinum condensatis laete-viridibus. *Agrdh syst.* 70. *Oscillatoria zostericola Lyngb. hydroph. t.* 27. *Flor. dan. t.* 1599. *f.* 1. *O. scopulorum Ag. syn. Spreng. l. l. Conferva scopulorum Web. et M. Reise t.* 3. *f.* 3. *Roth. Engl. bot. t.* 2171.

Ad Algas marinas majores, Zosteram, nec non ad scopulos marinos. (Ad hanc *Sprengelius* Calotrichem Mucorem et Lyngbyam confervoidem Ag. transfert).

1225. *C. pulvinata Ag.*, physcumatibus curtis rigidulis erectis dichotomis linea virescente longitudinali notatis, in caespitem densum obscure-viridem spongiosum fasciculatis. *Agrdh syst.* 71. *Ceramium pulvinatum Jürg.*

II. 16. *Spr. syst. IV.* 360. *Conferva reticulata Dill. hist. t.* 4. *f.* 14. *L. sp.* 1635. *Weis cr.* 24. *Dillw. conf. t.* 97. *Flor. dan. t.* 1597. *Engl. bot. t.* 1687. *Muscus aquaticus bombycinus retiformis Loes. pruss.* 173. *c. icon.* 54.

In stagnis profundioribus libere natans, v. c. agri gotting. (*Weis*), erlang., halens., oldenburg. et jeverens. (*Martius. Wallr. Roth. Jürgens*). (Alga perquam singularis auctumni tempore in utriculum s. physingem oblongam, Ulvae intestinali plane non dissimilem, digitum crassam, ex physeumatibus in opus pentagono-reticulatum connexis conflata, ex initiis vernalibus exiguis s. ex embryo primi articuli veluti matricalis adolescere solet. Physeumata alioquin longitudine et amplitudine, a crassitie capillari ad setae equinae crassioris molem variant novasque olim species imposuerunt.)

c. trichonemata, physeumate tubuloso continuo utplurimum capillari s. funiculari cum nisu quodam lutescendi latitudinemque plynthoden adficiendi, spermatidiis vario modo nec in formas distinctas digestis. (*Oscillatorineae, Ulvaceae genera Agrdh. Solenotae Spr.*)

107. CALOTHRIX AG. *Haarschopf.*

Physeuma arachnoideum continuum rigidulum intus spermatidiis intricatissimis annulatum.

(*Desmaretella Bory. Oscillatoriae et Confervae spec. auct.* — Genus dubium inter illa et Bangiam ambigens.)

† *physeumatibus simplicibus.*

1222. *C. nivea Ag.*, physeumatibus tennissimis rigidulis niveis in caespitem sordide lutescentem fasciculatis. *Agrdh syst.* 70. *Oscillatoria nivea Spr. syst. IV.* 362. *Conferva nivea Dillw. Engl. bot. t.* 2529.

In fontibus sulfureis v. c. thermarum aquisgran. (*Wallr.*)

1223. *C. confervicola Ag.*, physeumatibus erectis minutis tennissimis in basin fasciculatis primum laeteviridibus dein glaucescentibus. *Agrdh syst.* 70. *Desmaretella confervicola Bory. Dub. gall. II.* 973. *Oscillato-*

ria confervicola Ag. syn. Spr. syst. IV. 362. *Linckia ceramicola Lyngb. Conferva confervicola Flor. dan. t.* 1484. *f.* 1. *Engl. bot. t.* 2576. *Jürg. alg. XVIII.* 6.

Ad Algas tenuiores marinas, Ceramia v. c. et Chordariam Filum, in mari septentrionali.

1224. *C. scopulorum Ag.*, physcumatibus erectis curvato-flexuosis minutis in stratum velutinum condensatis laete-viridibus. *Agrdh syst.* 70. *Oscillatoria zostericola Lyngb. hydroph. t.* 27. *Flor. dan. t.* 1599. *f.* 1. *O. scopulorum Ag. syn. Spreng. l. l. Conferva scopulorum Web. et M. Reise t.* 3. *f.* 3. *Roth. Engl. bot. t.* 2171.

Ad Algas marinas majores, Zosteram, nec non ad scopulos marinos. (Ad hanc *Sprengelius* Calotrichem Mucorem et Lyngbyam confervoiden Ag. transfert).

1225. *C. pulvinata Ag.*, physcumatibus curtis rigidulis erectis dichotomis linea virescente longitudinali notatis, in caespitem densum obscure-viridem spongiosum fasciculatis. *Agrdh syst.* 71. *Ceramium pulvinatum Jürg. alg. IV.* 5.

Ad palos et ligna semiputrida propter maris septentrion. litora, rarissima. (*Mertens.*)

††. *physcumatibus ramosis distinctis.*

1226. *C. lanata Ag.*, physcumatibus rigidulis-virescentibus erectis ramosis in caespitem atro-viridem congestis. *Agrdh syst.* 72. *Trichophorus lanatus Desv. journ. bot.*

Ad saxa fontium.

1227. *C. tinctoria Ag.*, physcumate mucoso abbreviato erecto ramoso in caespitem densum intense viridem exsiccando violaceum fasciculatis. *Agrdh syst.* 72. *Dub. gall. II.* 987. *Conferva tinctoria Pers. Leptomitus investiens Bory in Moug. et Nestl. vog. n.* 899.

In aquis Vogesorum herbas ambiens. (*Mougeot et Nestler.*)

1228. *C. distorta Ag.*, physeumatibus rigidulis ...tis mucosis ramosis coeruleo-virentibus tortis. *Agrdh* ... 72. *Oscillatoria distorta Lyngb. hydroph.* 90. *Con-...a distorta Dillw. conf. t.* 22. *Roth cat. III.* 201. *...r. dan. t.* 820. *Engl. bot. t.* 2577. *Jürg. alg. XI.* 5.

In lacubus marinis agri jeverens. libere natans. (*Jürg.*)

108. BANGIA LYNGB. *Bangie.*

Physeuma tubulosum tenuiter-membranaceum conti-...m capillare, spermatidiis fasciatis densis foetum. (*Bangia Lyngb. Agrdh. Schizonema Ag.*)

1229. *B. rutilans Lyngb.*, physeumate simplici ...llari recto fusco-virente siccando rutilante, grumulis ...drico-oblongis parallelis confertis. — *Bangia ruti-...s Lyngb. hydroph. t.* 26. *Spr. syst. IV.* 361. *Schizo-...a rutilans Agrdh syst.* 9. *Conferva rutilans Tren-...hl. Roth cat III.* 179. *Jürg. alg. I.* 3.

Culmis stramineis adhaeret in insula Norderney (*Jürg.*)

1230. *B. foetida Spr.*, physeumate subramoso ...cto continuo subolivaceo caespitoso-virgato, sperma-...orum grumulis moniliformi-catenulatis. *Bangia foe-...a Spr. syst. IV.* 361. *Schizonema Dillwynii Agrdh ...t.* 10. *Ulva foetida Vauch. Conferva foetida Dillw. ...f. t.* 104. *Engl. bot. t.* 2101. *Jürg. alg. VII.* 8.

Confervis tabidis adnata in insula Norderney. (*Jür-...s.*) (Habitu alieno gaudet et ad Hydrophytozoa re-...tere videtur.)

1231. *B. torta Ag.*, physeumate viridi intricato ...no, spermatidiorum grumulis fasciatis bi-tripunctatis ...ato subtoruloso — *Bangia torta Agrdh syst.* 75. *...nferva torta Mert. in Jürg. alg. XIII.* 6. *C. con-...ta Jürg. alg. VI.* 4.

In fossis marinis agri jeveran. (*Mertens et Jürgens.*)

1232. *B. atro-purpurea Ag.*, physeumate sim-...issimo capillari recto aequali fasciis quinque-puncta-

tis s. maculis radiatis notato. *Agrdh syst.* 76. *B. fusco-purpurea et atro-purpurea Lyngb. hydroph.* 83. *Oscillatoria atro-purpurea Agrdh syn.* 109. *Bangia fusco-purpurea Spr. syst. IV.* 361. *Conferva atro-purpurea Dillw. conf. t.* 103. *Roth cat. III.* 208. *t.* 6. *Wahlenb. lapp.* 515. *Jürg. alg. XI.* 4. *Engl. bot. t.* 2085. *Cadmus violacea Bory in Moug. et Nestl. vag. n.* 895. *Conferva jubata Draparn.*

Ad rotas aquarias molarum ducat. oldenburg. (*Jürg.*)

109. LYNGBYA AG. *Lyngbye.*

Physeuma tenuiter-membranaceum simplex tubulosum continuum flexile intus spermatidiis mobilibus primum in annulum approximatum dispositis dein evanidis foetum. (*Oscillatoriae et Confervae sp. auct.*)

1233. *L. aeruginosa Ag.*, physeumate rigido crassiusculo aeruginoso, spermatidiorum grumulis annulatis densis. — *Lyngbya aeruginosa Agrdh syst.* 74. *Oscillatoria aestuarii Jürg. alg. XV.* 3. *cum var. atro virente.*

Ad limum litoris maris septentr. (*Jürgens.*)

1234. *L. crispa Ag.*, physeumate rigidulo crispo aeruginoso in caespites obscure-s. sordide virides congesto. *Agrdh syst.* 74. *Oscillatoria majuscula Dillw. conf.* 40. *t. A. Jürg. alg. IV.* 7.

In stagnis maritimis inter alias congeneres. (*Jürgens.*)

1235. *L. muralis Ag.*, physeumate capillari crassiusculo tenaci curvato-flexuoso viridi in stratum viridi-nitens implicito, spermatidiorum grumulis laxis approximatis annularibus angustis dein evanidis, isthmos remotos vacuos reliquentibus. — *Agrdh syst.* 74. *Oscillatoria muralis Agrdh syn. Conferva muralis Dillw. conf. t.* 7. *Engl. bot. t.* 1551. *Jürg. alg. V.* 6. *Roth cat. III.* 189., *germ. I.* 491. *C. Flüggii Roth. Oscillatoria parietina Vauch. conf. t.* 15. *f.* 8. *Byssus velutina Weis.*

Ad terram, muros et ligna putria, in locis stillicidio

expositis vulgaris. (Colore praecellit prasino s. laete-viridi et a speirematibus asynthetis lichenum facillime dignoscitur.)

1236. *L. lutescens W.*, physeumate praelongo tenuissime-capillari rigidulo tortili pallide-lutescente in stratum contiguum longe expansum fulvum intertexto, spermatidiorum grumulis duplicibus approximatis annulos latescentes mentientibus. — *Lyngbya muralis var. fulva Wallr. in lit.*

Ad radices arborum, v. c. Aesculorum et Pyrorum imas Thuring. rarius. (Praecedenti similis quidem, diversa tamen, physeumatibus duplo tenuioribus, rigidioribus, longioribus, pallide-flaventibus, in stratum contiguum nec in cirrhos floccosos tortum intertextis et spermatidiorum grumulis geminatis isthmos hyalinos subaequantibus approximatis, tubulum diutius infarcientibus. — *Lyngbya ochracea Leibl.* (*bot. Z. 1827. p. 260.*) in aquis martialibus pr. Wipfeld lecta, mihi ignota.)

110. SPHAEOPLEA AG. *Kugelschlauch.*

Physeuma continuum capillare, spermatidiis globosis sparsis demum increscentibus foetum.

(*Confervae sp. auct. Bangia Spr.*)

1237. *Sph. annulina Ag.*, physeumate capillari simplicissimo aequali vago, spermatidiis globosis lateritiis seriatis s. dispersis, isthmos subquadratos hyalinos interstinguentibus. — *Sphaeroplea annulina Agrdh syst.* 76. *Bangia annulina Spr. syst. IV.* 361. *Conferva annulina Roth cat. III.* 211. *t.* 7. *Jürg. alg. XVII.* 7.

In fossis stagnantibus agri bremens. et jeveran. (*Roth et Jürgens.*)

111. SCYTONEMA AG. *Hautfaden.*

Physeuma tubulosum continuum capillare coriaceum curtum, intus striis annulatis s. moniliformibus notatum.

1238. *Sc. myochrus Ag.*, physeumatibus tenuiter-capillaribus vage-ramosis intus striis annulatis liberis sa-

turatioribus approximatis notatis luteo-olivaceis, ra
geminis secundis in stratum fasciculatum densum
plexis. — *Scytonema myochrous Agrdh syst.* 40. *
lenb. suec. II.* 913. *Scytonema ocellatum Lyngb. hyd
t.* 28. *Conferva myochrous Dillw. conf. t.* 19. *Engl
t.* 1555. *Flor. dan. t.* 1002. *f.* 2. *Lyngb. t.* 27. *Co
va seriata Wahlenb. lapp.* 514. *t.* 30. *f.* 2.

Ad rupes madore continuo irroratas praeruptas
cyn. v. c. inter Zorgam et Hohgeiss ad viam (*Wa
Saxoniae (Reichenbach*), nec non ad vectes aqua sui
(Alga plagas saxorum praeruptorum longe lateque
quam pelle humectata obducit coloreque olivaceo
oculos e longinquo jam allicit.) *Scytonema byssoi
et Stigonema atro-virens Agrdhii*, lichenes sunt, de
bus *Parmelia velutina* mea I. 552. conferatur.)

1239. *Sc. velutinum W.*, physcumate ten
capillaceo curto viridi erecto e basi simplici hy
estriata in apicem vage-ramosum obsolete striatum
sinente, in stratum primum contiguum dein crusta
rimoso-areolatum olivaceum dehiscens densissime c
pato, odoro. — *Byssus antiquitatis Weis gott.* 14.

Ad saxa arenaria agri thuring. (Habitus praec
tis; at physcumata tenuiora, breviora, compacta,
crustaceo-areolata, fere tessellata, odore piceo insi
obsolete tantum striata, in extremitatibus, ni fallor,
matidiis majoribus foeta.)

1240. *Sc. comoides Ag.*, physcumate in caesp
nigro-ferrugineum complicatis flexuosis, annulis distan
aureo-fuscis moniliformibus, ramis sparsis remotis
ascendentibus apice attenuatis. *Scytonema comoides A
syst.* 41. *Gaillonella comoides Bory. Conferva ara
Mohr. C. comoides Dillw. conf. t.* 27. *Engl. bot. t.*

Ad litora maris septentrionalis.

1241. *Sc. Kneiffii W.*, physcumatibus tenuite
pillaceis productis fulvis nitidis simplicissimis hy
intus striis subquadrangulis transversis liberis insc
dein effoetis numerosissimis, in globum sphaericum

V. clavata DC., physeumate capillari vage ... apice subdilatatis incurvis, condyliis soli-... opacis terminalibus. — *Vaucheria clava-* ... *gall. II. 64. Agrdh spec. I. 462., syst. 172.* ... *dilatata Roth cat. II. 194., var. β. clavata* ... *Ectosperma clavata Vauch. conf. 34. t. 3.* ... *bullosa Trentep. in Roth bot. Bemerk. 185.* ... *l. l. 95. t. 2.*

... Germaniae passim. (Confervae ... bonae dominis, quae quidem geniculata, ... partibus amplior nec condylophora.)

V. Dillwynii Lyngb., physeumate capil-... viridi flexuoso obtuso, condyliis lateralibus ... globosis sessilibus, physeumatis diametrum ... — *Vaucheria Dillwynii Lyngb. hydroph.* ... *Horum β. dan. t. 1596. f. 1. Agrdh spec.* ... *syst. 172. Ceramium Dillwynii Roth cat. III.* ... *Dillwynii Web. et M. conf. t. 16. excl.* ... *C. frigida Dillw. conf. t. 16. excl. syn.* ... *amphibia L. sacc. 435. R. arachnoidea* ... *dan. t. 838. f. 2. — Dill. hist. IV. t. 4. f. 17.* ... *t. 88. f. 5.*

... frigida lucorum sub umbra continua, ... tempore per totam German. (Stratum ... saturate-virens spissum offert. Phy-... condyliis dilutiora et tenuiora. *V.* ... *Mart.*, cuspidibus minutissimis glaucescen-... *Agardhio* teste hujus est var. colore glau-... *diversa.*)

V. terrestris DC., physeumate stricto dense ... viridi, condyliis hemisphaericis lateralibus sub-... pedunculi coronati dorso insidentibus. — *Vau-* ... *terrestris DC. gall. II. 62. Agrdh sp. I. 465.,* ... *Ectosperma frigida Nees musc. propag. p.* ... *excl. syn. Dillw. Ectosperma terrestris Vauch.* ... *t. 2. f. 3. excl. syn.*

... humida, ollasque etiam hortorum noncisi

†† *condyliis binis pluribusve aggregatis.*

1249. *V. sessilis DC.*, physcumate capillari ramoso, condyliis ovalibus 2-3 sessilibus, cornu interjectum reduncum foventibus. — *Vaucheria sessilis DC. gall. II.* 63. *Lyngb. hydroph.* 80. *t.* 22. *Flor. dan.* t. 1725. *Agrdh syst.* 174., *spec. I.* 467. *Engl. bot. t.* 1765. *Ectosperma sessilis Vauch. conf. t.* 2. *f.* 7. ?*Jürg. alg. VI.* 10.

In fossis aquarum dulcium, auctumno passim. (Physcumata intricata nonnisi fluitant. *Vaucheria cruciata DC.* haud longe recedit nec aliena videtur.)

1250. *V. geminata DC.*, physcumate capillari dichotomo, condyliis globosis geminis oppositis pedunculo communi bifurco suffultis. — *Vaucheria geminata DC. gall. II.* 62. *Lyngb. hydroph. t.* 23. *Agrdh syst.* 174., *spec. I.* 467. *Engl. bot. t.* 1766. *Flor. dan. t.* 1725. *Ectosperma geminata Vauch. conf.* 29. *t.* 2. *f.* 5.

In fossis stagnantibus Thuring. (Physcumata tenuissima at tenacia rectiuscula.)

1251. *V. caespitosa DC.*, physcumate capillari dichotomo caespitoso, ramis ultimis horizontalibus secundis, condyliis binis sessilibus terminalibus mucronem interjectum obsidentibus. — *Vaucheria caespitosa DC. gall. II.* 63. *Lyngb. hydroph.* 81. *t.* 23. *Flor. dan. t.* 1726. *f.* 2. *Agrdh spec. I.* 468., *syst.* 174. *Jürg. alg. XV.* 2. *Ceramium caespitosum Roth germ. III.* 475. *Ectosperma caespitosa Vauch. conf.* 28. *t.* 2. *f.* 4. *Conferva fontinalis Blumenb. Gött. Magaz. II.* 80. *c. ic. C. abbreviata Schreb. spic.* 143. *C. canalicularis L. suec.* — *Dill. hist. t.* 4. *f* 15.

Ad fontium margines udos, caespitibus spongiosis densis laete viridibus passim obvia. (Var. *β. maximum Rothius* habet.)

1252. *V. racemosa DC.*, physcumate capillari dichotomo, condyliis lateralibus ovalibus racemosis. *DC. gall. II.* 61. *Lyngb. hydroph.* 82. *t.* 23. *Flor. dan. t.*

f. 1. *Agrdh syst.* 175., *spec. I.* 469. *Ceramium* ... *Roth cat. I.* 154. *Ectosperma racemosa Vauch.* ... *f.* 8. *Conferva amphibia Weis spic.* 24. — ... *t.* 2. *f.* 10.

... fossis nostris haud adeo rara per totam aestatem. ... 4–6 aggregata, pedunculis divaricatis brevibus ... Hujus quoque l. *Vaucheria multicornis DC.* ... videtur.)

† *condyliis nullis.*

... *V. fusca Ag.*, physeumate setaceo fusco di... contracto-geniculato. *Agrdh spec. I.* 472. ... *fuscum Roth germ. III.* 477., *cat. II.* 186. ...

... litora maris septentrion. pr. Eckwarden. (*Roth.*) ... plane ac minus nota, forsan cum Conferva ufi... ...)

123. LEMANEA BORY. *Léman'stang.*

... continuum membranaceum tubulosum sper... ... parieti interno per intervalla ad... ... fretum ibique torulosum.

... *Linck. Trichogoni spec. Pal. Beauv.* ... *Lyngb. nec Floerk. Chantransia DC. Apona* ... *Conferva spec. auct.*)

... *L. pulchella W.*, physeumate subarachnoi... ... rigidulo in fasciculum virgatum congesto, ... in ramos conformes diviso purpurascente, sper... ... per intervalla diametro sexies longiora congestis, ... pourtour-fascista mentientibus. — *Trentepohlia* ... *Chauv., var. β. chalybea Agrdh syst.* 37. *An*... *chalybea Dub. gall. II.* 872. *Ceramium pulchel*... *Agrdh. Chantransia pulchella Fries. Leibl. bot.* ... *t.* 264. *Ch. nana Mong. et Nestl. voges. n.* ... *Ch. Hermanni Desv.* (*And. Hermanni Dub. l. l.*) ... *chalybea Mert. in Jürg. alg. XII.* 3. *Roth* ... *t.* 8. *f.* 1. *Engl. bot. t.* 1996. *Dillw. conf. t.*

†† *condyliis binis pluribusve aggregatis.*

1249. *V. sessilis DC.*, physeumate capillari ramoso, condyliis ovalibus 2-3 sessilibus, cornu interjectum reduncum foventibus. — *Vaucheria sessilis DC. gall. II.* 63. *Lyngb. hydroph.* 80. *t.* 22. *Flor. dan. t.* 1725. *Agrdh syst.* 174., *spec. I.* 467. *Engl. bot. t.* 1765. *Ectosperma sessilis Vauch. conf. t.* 2. *f.* 7. ?*Jürg. alg. VI.* 10.

In fossis aquarum dulcium, auctumno passim. (Physeumata intricata nonnisi fluitant. *Vaucheria cruciata DC.* haud longe recedit nec aliena videtur.)

1250. *V. geminata DC.*, physeumate capillari dichotomo, condyliis globosis geminis oppositis pedunculo communi bifurco sulfultis. — *Vaucheria geminata DC. gall. II.* 62. *Lyngb. hydroph. t.* 23. *Agrdh syst.* 174., *spec. I.* 467. *Engl. bot. t.* 1766. *Flor. dan. t.* 1725. *Ectosperma geminata Vauch. conf.* 29. *t.* 2. *f.* 5.

In fossis stagnantibus Thuring. (Physeumata tenuissima at tenacia rectiuscula.)

1251. *V. caespitosa DC.*, physeumate capillari dichotomo caespitoso, ramis ultimis horizontalibus secundis, condyliis binis sessilibus terminalibus mucronem interjectum obsidentibus. — *Vaucheria caespitosa DC. gall. II.* 63. *Lyngb. hydroph.* 81. *t.* 23. *Flor. dan. t.* 1726. *f.* 2. *Agrdh spec. I.* 468., *syst.* 174. *Jürg. alg. XV.* 2. *Ceramium caespitosum Roth germ. III.* 475. *Ectosperma caespitosa Vauch. conf.* 28. *t.* 2. *f.* 4. *Conferva fontinalis Blumenb. Gött. Magaz. II.* 80. *e. ic. C. abbreviata Schreb. spic.* 143. *C. canalicularis L. suec.* — *Dill. hist. t.* 4. *f* 15.

Ad fontium margines udos, caespitibus spongiosis densis laete viridibus passim obvia. (Var. *β. maximam Rothius* habet.)

1252. *V. racemosa DC.*, physeumate capillari dichotomo, condyliis lateralibus ovalibus racemosis. *DC. gall. II.* 61. *Lyngb. hydroph.* 82. *t.* 23. *Flor. dan. t.*

91. *Conferva corymbifera Engl. bot. t.* 196. *Ectocarpus chalybeus Lyngb. hydroph. t.* 44.

Ad rotas molarum aqua suffusas in ducat. oldenburg. (*Jürgens*), ad Lemaneam torulosam Alsatiae (*Wallr.*) (Hanc habitu magis quam partium tam intricatarum examine huc retuli, nec hujus in Lemaneae torulosae nodis consortium explicare studeo. Forsan haec illius proles tuncque genus ad Myxophykea relegandum, cum quorum habitu congruit.)

1255. *L. torulosa Ag.*, physeumate tubuloso subsimplicissimo dein membranaceo unicolore (viridi s. purpurascente) funiculari subincurvo, grumulis spermatidiorum moniliformium interaneis intervalla contracta infarcientibus intercepto ibique noduloso s. toruloso. — *Lemania torulosa Agrdh spec. II.* 6., *syst.* 255. *Lemanea incurvata Bory. Goniocladon torulosum Link. Chantransia torulosa DC. gall. II.* 50. *Conferva verrucosa Draparn. C. torulosa Roth cat. I.* 202., *germ. III.* 529. *C. fluviatilis a. Lam. encycl. Chara sertularioides Web. spic.* 30. *excl. syn.* — *Dill. hist. t.* 7. *f.* 48.

Ad saxa cataractarum Salae pr. Halam an der hohen Brücke (*Sprengel. Wallr.*) nec non in torrentibus Hercyn.

1256. *L. fluviatilis Ag.*, physeumate tubuloso subsimplicissimo funiculari protenso stricto olivaceo demum (exsiccando) atro-virente membranaceo cartilagineo per intervalla extus verticillatim papilloso. — *Lemanea fluviatilis Agrdh spec. II.* 4., *in act. holm.* 1814. *t.* 2. *f.* 2. *Nodularia fluviatilis Lyngb. hydroph.* 99. *t.* 29. *Flor. dan. t.* 1904. *Lemanea corallina Bory in Berl. Mag. Polysperma fluviatilis Vauch. conf.* 99. *t.* 1. *f.* 3. *Goniocladon fluviatile Link. Chantransia fluviatilis DC. gall. II.* 50. *Conferva fluviatilis L. sp.* 1635. *Roth cat. I.* 203., *germ. III.* 522. — *Dill. hist. t.* 7. *f.* 47. *Vaill. bot. t.* 4. *f.* 5.

In similibus cum priore locis, Alsatiae v. c., nec quoque in Hercyniae torrentibus deest. (Hujus generis notio et locus in systemate apud auctores varius. Plu-

imi inter Confervoideas enumerarunt; adfinitatem cum ostochio *Bonnemaisonius et Linkius*, cum Scytonemate *yngbyeus*, cum *Oscillatoria et Bangia Fricsius*, cum atrachospermo et Thorea *Borysus* praemonuerunt; *Agardius* propriam Lemaniearum familiam condidit et *Sprengelius* ad Phykoideas iterum retulit, quod spermatidiorum dispositione interanea ad Myxophykea pertinet et b his vix nisi indole minus gelatinosa aberrat.)

114. BRYOPSIS LAMX. *Baumfaden.*

Physcuma tubulosum pinnatum, continuum latice viidi incluso coacto colorato foetum.

1257. *Br. Arbuscula Lamour.*, physcumate teerrimo subcompresso decomposito, ramis pectinato-pinnatis, ramulis oppositis. *Spr. syst. IV.* 365. *Bryopsis Arbuscula Agrdh spec. I.* 451. *Br. composita Ag. l. l. Br. hypnoides, Balbisiana et cupressina Lamour. Fucus Arbuscula DC. gall. II.* 35. *Conferva tenax Roth. Ulva plumosa Huds. Engl. bot. t.* 2375.

Ad oras German. borealis teste *Sprengelio.*

115. SCYTOSIPHON LYNGB. *Darmling.*

Physcuma tubulosum capillare s. funiculare membranaceum continuum striato-areolatum, spermatidiis microscopicis in areolas digestis foetum.

(*Scytosiphon Lyngb. pr. pr. Solenia Ag. syst. Spr. nec Hoffm. et Pers. Ilea Fries. Leibl. Enteromorpha Link. Ulvae intestinales s. tubulosae L. Roth germ. III.* 533. observ. 2. *Confervae continuae et geniculatae Roth.*) Habitus filaris confervoideus, nisu latescendi inflationisque casum subeundi insignis.

1258. *Sc. intestinalis Lyngb.*, physcumate tenuiter membranaceo tubuloso concinne-areolato dilutius saturatiusve virente polymorpho, nunc filiformi, nunc funiculari, nunc difformi plane, figuras sinuoso-anfractuosas physingodeas s. plynthodes mentiente.

α. trichodes, physcumate tenuissimo capillari subsimplici, habitum confervinum adficiente. — *Ulva crinita auct. qrd.*

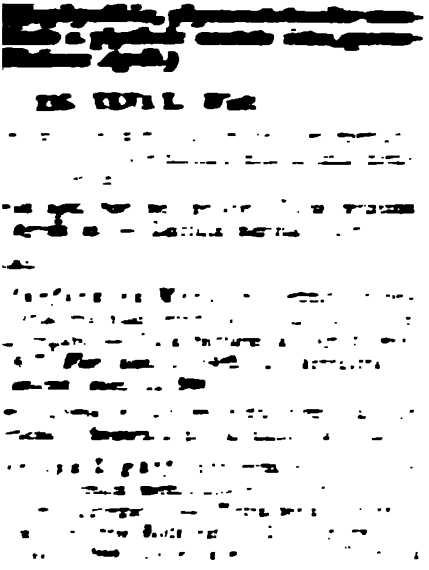
β. nematodes, physcumate funiculari aequaliter protenso. — *Tetraspora intestinalis Desv. Scytosiphon intestinalis Lyngb. hydroph.* 67. *Solenia intestinalis Agrdh syst.* 185. *Spr. syst. IV.* 367. *Conferva flexuosa auct. qrd. Conferva intestinalis Roth germ. III.* 484., *cat. I.* 159. *Ulva intestinalis L. sp.* 1632. *DC. gall. II.* 65. *Wahlenb. suec. II.* 901. *Agrdh spec. I.* 418, *Jürg. alg. XIII.* 1. *Tremella intestinalis Nonne erf.*

γ. plynthodes, physcumate nisu latescendi insigni, e figura oblonga magis minusve protenso deplanato demum complanato tenui elongato lanceolato-ensiformi utrinque longe attenuato, margine saepius undulato-crispo. — *Ulva Linza L. sp.* 1633. *Agrdh spec.* 1. 413. *Roth germ. III.* 538., *cat. III.* 330. *Lyngb. hydroph.* 32. *Jürg. alg. VIII.* 5. *Flor. dan. t.* 889. *U. lanceolata Roth l. l. Phyllona lanceolata Wigg. hols.* 99. *U. intestinalis v. collapsa Wahlenb. l. l.* — *Dill. hist. t. 9. f. 6.*

δ. physingodes, physcumate inflato physingode e figura subclavata dein in sinuosam anfractuosamque difformem dilatata. — *Ulva ventricosa Bonnem. DC. rapp. I.* 7. *Dub. gall. II.* 958. *U. intestinalis campanulata Wahlenb. l. l.*; *γ. maxima Agrdh l. l.* — *Dill. hist. t. 9. f. 7.*

In fossis et rivulis salsis agri hal. v. c., quos sola locis dense obducere solet, nec non in mari septentrion. abundat et variet. ad longitudinem, latitudinem et colorem et alia monstra jactat insignia, habitu plane alieno inter se quidem recedentia, simulac tamen transeuntia. Monstrum *δ*, physingodes inter omnes Algas maximam subit difformitatem. Varietas *γ*. ob laminas physcumatis compaginatas nisu latescendi semetque producendi insignis, in mari septentr. copiosa.)

1259. *Sc. compressus Lyngb.*, physcumate tabuloso tenuiter-membranaceo dilutius saturatiusve viren-



et crispum caespites densos conficiunt et siccando rigidiora evadunt.)

†† *halophilae.*

1267. *?U. bullosa Roth*, physcumate primum obovato dein expanso undulato-laciniato bulloso lubrico, spermatidiis exacte quaternatis foeto. — *Ulva bullosa Roth cat. III.* 329. *Agrdh syst.* 190., *spec. I.* 414. *Kngl. bot. t.* 2320. *Tetraspora minima Desv. U. minima Vauch. conf.* 243. *t.* 17. *f.* 1. *Tremella palustris Web. spic.* 279. *Ulva Lactusa β. Huds. angl.* 561. *Jürg. alg. V.* 3. — *Dill. hist. t.* 8. *f.* 2.

In fossis salsis Germaniae boreal. passim. (Dubia species, melius forsan ad Tetrasporam relegenda. Siccando omnino collabitur et picturam in papyro aemulatur pertenuem, halitu veluti explosam.)

1268. *U. Lactuca L.*, physcumate polymorpho plerumque tenerrimo et latissimo dilute-virente, margine saepius laciniato-crispo, spermatidiis densis microscopicis foeto. — *Ulva Lactuca L. sp.* 1635. *Wahlenb. succ. II.* 900. *Roth cat. III.* 206., *germ. III.* 538. *Agrdh spec. I.* 409., *syst.* 189. — *Dill. hist. t.* 8. *f.* 1.

α. umbilicata, physcumate umbilicato. — *Ulva latissima γ. umbilicalis Agrdh l. l. U. umbilicalis Roth pr. pr.*

β. mesenteriformis, physcumate oblongo latescente undulato-plicato bulloso. — *Ulva latissima β. mesenteriformis Agrdh l. l. U. mesenteriformis Roth.*

γ. latissima, physcumate solitario oblongo s. subrotundo latissimo plano, nonnisi magis stipato terebratopertuso. — *Ulva latissima L. succ.* 433. *Agdh spec. I.* 407., *syst.* 188. *Jürg. alg. VI.* 2. *Roth cat. II.* 245., *germ. III.* 533. *U. Lactuca β. latissima Lightft. Wahlenb. l. l.*

Ad maris septentrion. litora, praesertim in fossis profundioribus, aquam a vicissitudine relictam ducentibus. (Stirps versipellis, varietatum mater, ex quibus var. *γ.* priscis jam nota (τὸ βρύον *Theophr.*), et in usu domestico fuit.)

1595. *f.* 1. *Fucus subtilis Turn. hist.* t. 234. *Ceramium brosum Roth cat. II.* 177. *Conferva fasciculacea Huds.* - *Dill. hist.* t. 2. *f.* 8. *Barrel.* t. 1121. *f.* 1.

Ad litora maris baltici et septentrion. rarissime. Fructificatio latet; hinc generis dubii planta.)

C. Dermatoplynthia, physcumate tenuiter-membranaceo explanato s. plynthode ecostato intus spermatidiis fœto. (*Ulvaceae Agrdh.*)

116. ULVA L. *Watt.*

Physcuma plynthodes complanatum tenuiter membranaceum ecostatum sessile, spermatidiis minutissimis membranae intertextis fœtum.

(*Ulva Agrdh syst. Spr. nec priscor. Ulvae prasinae et latissimae Agrdh sp.* — *Lactuca marina Veter.*)

† *geophilae.*

1265. *?U. furfuracea Mert.*, physcumate cuneato-obovato minutissimo plano erectiusculo, in pulvinulum caespitosum aggregato. — *Ulva furfuracea Agrdh syst.* 90., *spec. I.* 417. *Flor. dan.* t. 1489. *U. terrestris β. furfuracea Wahlenb. suec. II.* 900.

Ad parietes ligneos et lapides juxta domicilia agri tremens. (*Mertens.*) (Sequentis procul dubio var. junior.)

1266. *U. crispa Lightf.*, physcumate bulloso plicato-crispo rugoso demum membranaceo dilute-viridi, in stratum expansum aggregato. — *Tetraspora terrestris DC. gall. Ulva terrestris Roth cat. I.* 211., *germ. III.* 42. *Wahlenb. suec.* 900. *Jürg. alg. IV.* 3. *Tremella crispa Schreb. spic. II.* 972. *Ulva crispa Lightf. scot. II.* 972. *Agrdh spec. I.* 416., *syst.* 190. — *Dill. hist.* t. 10. *f.* 12.

In umbrosis ad sepes et tecta maxime straminea agri ipsicus. (*Schreber*), berolin. (*Willdenow*), halens. et hercyn. (*Wallr.*) (Physcuma tenuissimum membranaceum dilutius saturatiusve viride, sinuatum, rugoso-plicatum

et crispum caespites densos conficiunt et siccando rigidiora evadunt.)

†† *halophilae.*

1267. *?U. bullosa Roth*, physcumate primum obovato dein expanso undulato-laciniato bulloso lubrico, spermatidiis exacte quaternatis foeto. — *Ulva bullosa Roth cat. III.* 329. *Agrdh syst.* 190., *spec. I.* 414. *Engl. bot. t.* 2320. *Tetraspora minima Desv. U. minima Vauch. conf.* 243. *t.* 17. *f.* 1. *Tremella palustris Web. spic.* 279. *Ulva Lactusa β. Huds. angl.* 567. *Jürg. alg. V.* 3. — *Dill. hist. t.* 8. *f.* 2.

In fossis salsis Germaniae boreal. passim. (Dubia species, melius forsan ad Tetrasporam releganda. Siccando omnino collabitur et picturam in papyro aemulatur pertenuem, halitu veluti explosam.)

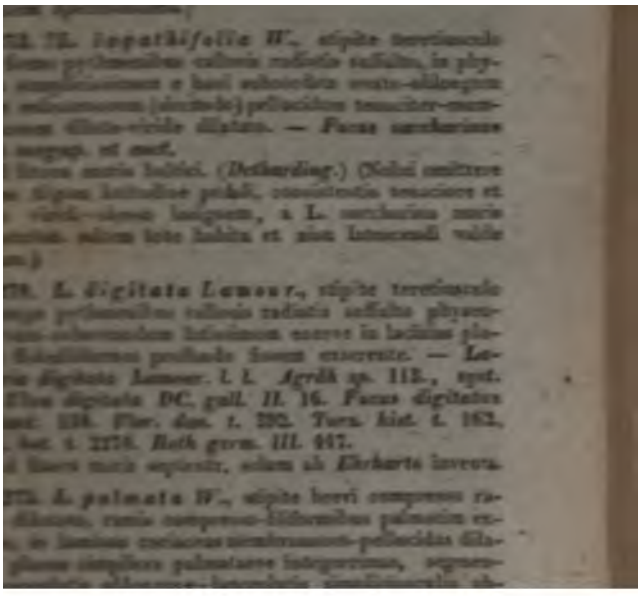
1268. *U. Lactuca L.*, physcumate polymorpho plerumque tenerrimo et latissimo dilute-virente, margine saepius laciniato-crispo, spermatidiis densis microscopicis foeto. — *Ulva Lactuca L. sp.* 1635. *Wahlenb. suec. II.* 900. *Roth cat. III.* 206., *germ. III.* 538. *Agrdh spec. I.* 409., *syst.* 189. — *Dill. hist. t.* 8. *f.* 1.

α. umbilicata, physcumate umbilicato. — *Ulva latissima γ. umbilicalis Agrdh l. l. U. umbilicalis Roth pr. pr.*

β. mesenteriformis, physcumate oblongo latescente undulato-plicato bulloso. — *Ulva latissima β. mesenteriformis Agrdh l. l. U. mesenteriformis Roth.*

γ. latissima, physcumate solitario oblongo s. subrotundo latissimo plano, nonnisi magis stipato terebratopertuso. — *Ulva latissima L. suec.* 433. *Agrdh spec. I.* 407., *syst.* 188. *Jürg. alg. VI.* 2. *Roth cat. II.* 245., *germ. III.* 533. *U. Lactuca β. latissima Lightft. Wahlenb. l. l.*

Ad maris septentrion. litora, praesertim in fossis profundioribus, aquam a vicissitudine relictam ducentibus. (Stirps versipellis, varietatum mater, ex quibus var. *γ.* priscis jam nota (τὸ βρύον *Theophr.*), et in usu domestico fuit.)



thodes expansum exserens. Spermatidia parenchymati physeumatis innata pyriformia nonnisi in soros congesta. (*Laminaria Lamour. Ag. Spr. Ulva L. et auct.*) — Genus vagum, ex habitu potius quam notis, mihi saltem perspicuis, ab Ulva distinguendum.)

† *stipite evanescente s. physeumate costato.*

1270. *L. Phyllitis Lamour.*, stipite compresso physeuma tenerrimum hyalinum lineari-lanceolatum integerrimum informante. — *Laminaria Phyllitis Lamour. ess.* 22. *Agrdh spec. I.* 121., *syst.* 273. *Jürg. alg. XIX.* 1. *L. papyrina Bory. Ulva Phyllitis DC. gall. II.* 15. *Fucus Phyllitis Stackh. t.* 9. *Turn. hist. t.* 164. *Engl. bot. t.* 1331.

Ad Fucos majores in litore insularum Baltrum et Norderney rejectos (*Jürgens.*) (Melius forsan pro L. saccharinae declarant primordiis.)

1271. *L. Fascia Ag.*, stipite brevissimo in physeuma angusto-lineare simplex aequale membranaceum undulatum planum utrinque attenuatum sensim protenso. — *Laminaria Fascia Agrdh spec. I.* 122., *syst.* 273. *Fucus Fascia Oed. fl. dan. t.* 768. *Roth germ. III.* 499.

Ad saxa marina nec non in stagnis vicinis, aqua e vicissitudine relicta repletis, v. c. in ducat oldenburg. (*Mertens. Roth.*) (Physeumata plerumque aggregata, praeter basin tenuatam longe productam fere sessilia, angusta, margine undulata s. spiraliter convoluta, subcoriacea, primum viridia dein magis fuscescentia.)

1272. *L. saccharina Lamour.*, stipite teretiusculo elongato sublignoso, basi in pythmenes callosos radiatim divulso, in physeuma lanceolatum ensiforme enervium simplicissimum integrum praelongum (siccando) subcartilagineum protenso. — *L. saccharina Lamour. ess.* 22. *Agrdh sp.* 117., *syst.* 272. *Lyngb. hydroph.* 21. *t.* 5. *L. longipes et viridissima Bory.* (*varietates.*) *Ulva saccharina DC. gall. II.* 15. *U. longissima Gunn. norw. II.* 128. *t.* 7. *f.* 2. *Fucus saccharinus L. sp.* 1630. *Turn.*

...ulata proliferis (ramenta), ex membrana-
...is conflatis indeque teneritate singulari et
...ris et formae formositate et concinnitate,
...habitum ramosum haud male reddente in-
...nariis globosis externis s. foras appensis,
...bacro veluti cinctis. (Algae confervoideae
... b. ectocarpeae.) Ceramiaceae Bory. Tha-
...diaphysisteae Gaill. A. filamentosae Dub.)

ECTOCARPUS LYNGB. *Fadentang.*

...a capillare tenuissimo membranaceum fistu-
...culis macularibus interceptum ramosissimum,
...deso-penicillatum saepius mentiens. Clona-
...globosa s. apice tenuata, veluti siliquaeformis.
... et Confervae sp. auct. Lyngbyae sp. Gaill.
...ae, Pilayellae et Anduinellae sp. Bory.)

...siliculosus Lyngb., physeumate capil-
...o ramosissimo densissimo, ramis erectis sub-
...tis alternisque, gradualis diametro sublon-
...ceptis, clonario lineari-lanceolato siliquae-
...rmis striato. — *Ectocarpus siliculosus Lyngb.*
...62. Agrdh sp. 37., syst. 161. excl. syn. se-
...org. alg. XIII. 2. E. subulatus Agrdh in
...m siliculosum Agrdh syn. Conferva silicu-

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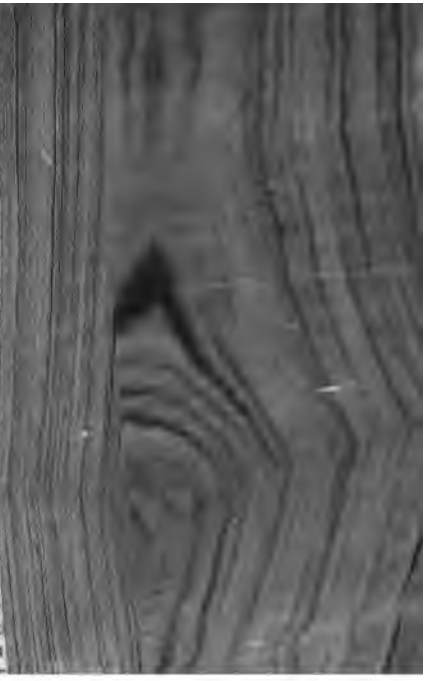
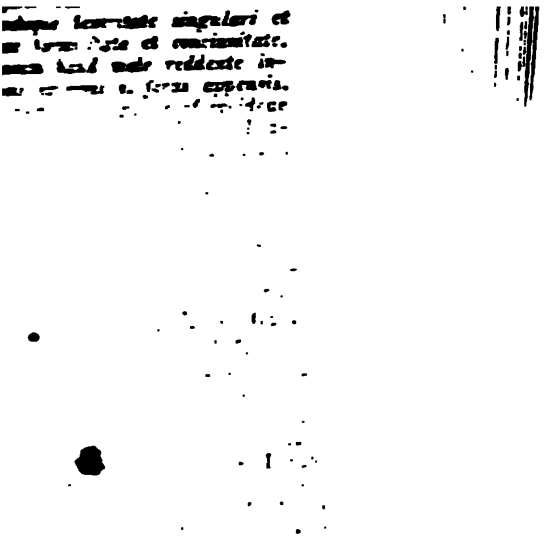




ter, ex quarum numero *Agardhius α. atro-virentem*, mucosam magis et majorem, atro-viridem, exsiccando nitentem; *β. firmam*, firmiorem, conglomeratam et Confervae glomeratae instar implicitam; *γ. nebulosam*, tenerrimam in physingem veluti mucosam coactam; *δ. penicillatam*, ramis apice penicillatis; *ε. protensam*, phys. tenuissimo protenso longius geniculato, insignes notavit.

1278. *E. litoralis Ag.*, physcumate capillari tenerrimo ramosissimo pallide-virente, ramis patulis subuliformibus virgato-ramosissimis, geniculis diametro sublongioribus, clonario subsphaerico. *Agrdh sp. II.* 40. *Ceramium litorale Wahlenb. suec. II.* 904. *C. Mertensii DC. gall. VI.* 9. *nec Roth. C. tomentosum Roth cat. III.* 146., *germ. III.* 468. *Jürg. alg. II.* 3. *Ectocarpus siliculosus var. major Lyngb. t.* 42. *Conferva litoralis Huds. — Dill. hist. t.* 6. *f.* 19.

Algis maris baltici et septentrionalis majoribus frequens adnascitur. (Praecedenti forsan nimis affinis et ab ipso *Agardhio*, *Lyngbyo*, *Sprengelio* aliisque huic subscripta, ramulis magis irregularibus tamen et prope apicem virgato-fasciculatis, implexis elongatis, curvatis et colore fuscescente forsan distinguenda.)

1279. *E. compactus Ag.*, physcumate pertenui densissime implexo vage ramoso, geniculis diametro duplo longioribus, clonario sphaerico. *Agrdh sp. II.* 41. *Ectocarpus ferrugineus Agrdh syst. I.* 63. *nec sp. Ceramium tomentosum Hornem. fl. dan. t.* 1487. *f.* 2. *Ectoc. litoralis var. ferruginea Lyngb. in lit. Conferva litoralis Engl. bot. t.* 2290. *Ceramium compactum Roth cat. III.* 149. *Jürg. alg. XVII.* 4. — *Dill. hist. t.* 3. *f.* 12.

In mari septentrionali. (*Jürgens.*) (A reliquis exsiccatus habitu lanoso s. stuppeo, colore ferrugineo et physcumatibus firmioribus differt.)

1280. *E. tomentosus Lyngb.*, physcumate tenuissimo patenti-ramosissimo mediotenus in caespitem uniformem alia lateralia libera exserentia implexo fusco-lutescente, geniculis hyalinis diametro quadruplo longio-

ribus, clonario siliquaeformi. — *Ectocarpus tomentosus Lyngb. hydroph. t. 44. Agrdh sp. II. 44., syst. 163. excl. syn. nonn. Ceramium tomentosum Agrdh syn. nec Roth. Anduinella funiformis Bory. Conferva tomentosa Lightft. Dillw. conf. t. 56. Jürg. alg. XVII. 5.*

Ad Fucum nodosum in litora insularum Norderney et Spikeroge rejectum.

1281. *E. flavescens W.*, physemate filiformi bi-unciali basi in caespitem juncto hyalino flavescente, geniculis remotis diametro duodecies longioribus intercepto ibique conformiter ramoso, clonario sphaerico insigni. *Conferva flavescens Wallr. ann. bot. 135. excl. syn.*

Ad scopulos lacus salsi Seeburg. agri hal. (Alia praeter clonaria lateralia insunt corpora majora gelatinosa, e rubro flaventia, quibus olim Tremellae litophilae nomen dedi. Habitu Vaucheriam refert.)

120. SPHACELARIA LYNGB. *Brandspitzentang.*

Physema articulatum rigidum fuscescens distiche ramosum pinnatum filare, ex aliis quasi conduplicatis compositum longitudinaliter striatum, geniculis fasciatis interceptum. Clonarium terminale in apicibus ramorum incrassatis sphacelatis truncatis nigrum (*sphacella Ag.*), sporidiis microscopicis foëtum.

1282. *Sph. cirrhosa Ag.*, physemate cartilagineo ramoso caespitoso parvulo pinnato viridi-olivaceo, pinnis tenuibus elongatis alternis oppositisve filiformibus, superioribus pyramidatis, articulis diametro subaequalibus. — *Sphacelaria cirrhosa Ag. syst. 163. Sph. pennata Lyngb. hydroph. I. 31. Dub. gall. II. 964. Conferva olivacea et pennata Dillw. Delisella pennata Bory. Conf. cirrhosa Roth.*

Ad litora maris septentrionalis Algis majoribus adnata passim adfluit.

121. CERAMIUM ADANS. *Gliedertang.*

Physema tubulosum tenuissime membranaceum hyalinum ramosum, geniculis annularibus coloratis promi-

nulis interceptum (roseum s. purpurascens). Cloni globosa sporidiis plurimis angulatis conglomeratis foc nonnisi involucrata.

(*Ceramium Adans. et Roth emend. Ag. syst. Call thamnion Lyngb. Ag. sp. Griffitsia, Gaillona, Bory Gaill. Fuci globiferi Gmel.*)

† *nana, physcumate depresso nano sacpius fast giato.* (*Ceramia Roth.*)

1283. *C. repens Ag.*, physcumate capillari adna pythmenes bulboso-scutatos nonnisi exserente minu roseo, ramis ramulisque divaricatis subsecundis, genicu contractis articulos diametro plerumque quadruplo lo giores interstitiouentibus, clonariis minutissimis termin libus globosis subsessilibus. — *Callithamnion repe Lyngb. hydroph. t.* 40. *Agrdh sp. II.* 184. *Ceramiu repens Agrdh syst.* 131. *Conferva repens Dillw. conf.* 17. *Roth cat. III.* 221. *Engl. bot. t.* 1608. *Flor. dan. t.* 166

β. tenellum, phys. subsimplici s. parcius ramoso. — *Callithamnium et Ceramium repens β. tenellum Agrd t. l. Lyngb. Conferva tenella Dillw. conf. t. F. Jürg alg. VIII*, 8.

Ad Algas majores praecipue ad Furcellariam fastigi tam, Fucum alatum prorepens, v. c. propter litora insu lae Wangeroge. (*Jürgens.*)

1284. *C. Daviesii Ag.*, physcumate subtilissim capillo tenuiore erecto curto libero ramoso dilute ros hyalino, ramis acutis erectis alternis acutis, articul diametro triplo longioribus, clonariis globosis circa r mulorum latera interna conglomeratis minimis. — *Call thamnium Daviesii Lyngb. hydroph. t.* 41. *Agrdh sy II.* 186. *Ceramium Daviesii Ag. syst.* 132. *Dub. ga II.* 971. *Conferva Daviesii Dillw. conf.* & *F. Engl. bo t.* 2329. *Jürg. alg. XV.* 7.

Ad Ulvam ? plantaginifoliam propter litora insul Norderney rejectam. (*Jürgens.*) (Ex intricatissimis, pu bem veluti mentiens, 2-3 lineas longum, irregularite ramosum.)

1285. *C. Rothii Ag.*, physcumate subtilissimo erecto stigiato parce-remoteque ramoso abbreviato erecto ruente in caespitem pulvinatum (sphaericum) congesto, eniculis diametro duplo longioribus, clonariis sphaericis teralibus. — *Callithamnium Rothii et floridulum Lyngb. ydroph.* 129. *t.* 41. *Ag. sp. II.* 185. *Ceramium Rothii g. syst.* 133. *Conferva Rothii Dillw. conf. t.* 73. *Engl. ot.* 1702. *Jürg. alg. II.* 10. *C. violacea Roth cat.* 1. 4., *germ. III.* 525.

Ad trabes exesas pro muniendo litore maris septentr. *Jürgens)*, nec non in similibus locis ducat. oldenburg. r. Eckwarden (*Roth*). (Alga perpusilla quidem at ele ans, colore peculiari intense roseo oculos alliciens, phyeumatibus dichotomo-ramosis in caespites pulvinatos congestis insignis, adultior C. allochroo similis.)

†† *involucrata, clonariis (ex prolibus) involucratis, physcumate dichotomo saepius apice forcipato, geniculis elevatis nonnisi proliferis intercepto.* (*Ceramium Ag. sp.*)

1286. *C. setaceum W.*, physcumate dichotomo stricto setiformi roseo viridi hyalinoque variegato caespitoso, ramis erectis elongatis simplicibus attenuatis, articulis cylindricis diametro 4-6plo longioribus, clonario pellucido pedicellato involucrato. — *Griffitsia penicillata Agrdh syst.* 144. *Ceramium penicillatum Duc. Conferva setacea Huds. Turn. Engl. bot. t.* 1689. *Dillw. conf. t.* 82. *Jürg. alg. XII.* 4. — *Dill. hist. t.* 6. *f.* 37.

Ad litora maris septentrional. insul. Norderney et Baltrum, rarissime. (*Jürgens.*)

1287. *C. diaphanum Roth*, physcumate repetito-dichotomo flacco tenuissime membranaceo caespitoso roseo-purpureo hyalino geniculis coloratis annularibus turgidulis distinctis sub apice forcipato approximatis diametrum aequantibus nudis s. ex aliis physcumatibus brevissimis capillo tenuioribus verticillato-ciliatis intercepto usque variegato, clonario sphaerico sessili nonnisi geni-

culorum proliibus excepto iisque veluti involucrato. — *Ceramium diaphanum Agrdh syst.* 133. *Dub. gall. II.* 967.

α. glabellum, physeumatis geniculis subtilissime turgidis nudis. — *Ceramium forcipatum α. glabellum DC. gall. II.* 46. *C. diaphanum Roth cat. III.* 154. *Ag. sp. II.* 150. *Lyngb. t.* 37. *Jürg. alg. XVIII.* 2. *C. plumosum Hopp. C. elegans Ducl. Boryna diaphana Gratel. Gaill. B. axillaris et elegans Gratel. Conferva elegans, globulosa et fastigiata Roth. C. moniliformis Roth. C. seposita Gunn. C. corallinoides Scop. nec L. Batrachospermum moniliforme Hopp. Conf. diaphana Lightft. Flor. dan. t.* 951. *Roth cat. II.* 226., *germ. III.* 525. *Dillw. conf. t.* 38. *Engl. bot. t.* 1742. *Wahlenb. lapp.* 511. *C. nodulosa Huds. — Dill. hist. t.* 7. *f.* 41.

β. ciliatum, physeumatis geniculis aliis prolibus multo tennioribus brevissimis stipatis iisque verticillato-ciliatis s. pilosis. — *Ceramium forcipatum β. ciliatum DC. l. l. C. diaphanum γ. pilosum Ag. syst. C. ciliatum Ducluz. Lyngb. t.* 37. *Ag. sp. Boryna ciliata Gratel. B. forcipata Bory. Conferva pilosa Roth cat. II.* 225. *t.* 5. *f.* 2. *C. fastigiata Wulff. C. ciliata Huds. Lightf. Roth cat. III.* 295. *Dillw. conf. t.* 53. *Engl. bot. t.* 2428.

Utraque forma ad litora maris baltici pr. Travemünde (*Mertens*), m. septentrional. (*Jürgens*), insulae Rugiae (*Laurer*), nunc seorsim nunc promiscue intercurrit, Algis majoribus, Cladostepho spongioso ipsique Zosterae adnata.

1288. *C. virgatum Roth*, physeumate subfilari roseo (siccando) stipato membranaceo s. subcartilagineo geniculis annularibus saturatioribus contractis intercepto ibique alia capillaria sensim magis tenuata confertim-geniculata dichotoma emittente, in extremitates furcatas desinente habitumque ramosissimum virgatum concinnante, clonario solitario sessili laterali subgloboso, basi involucrato. — *Ceramium nodulosum et axillare DC. C. rubrum Agrdh sp. II.* 147., *syst.* 135. *Lyngb. hydr. t.* 62. *C. elongatum Roth cat. II.* 178. *C. virgatum Roth cat. I. t.* 8. *f.* 1., *germ. III.* 461. *Jürg. alg. II.* 4. *C. vio-*

um Jürg. alg. III. 4. a. (specim. dati saltem fide). yna rubra Gaill. Conferva rubra Huds. Dillw. conf. 4. Flor. dan. t. 1482. Engl. bot. t. 1166. C. clon- a et corallina Spr. Berl. Mag. t. 6. f. 3. 4. C. tu- sa Huds. C. ramosissima L. gottl. — Dill. hist. t. . 38. A. t. 35. A. D.

Ad litora maris septentr. ubique, praesertim ad ins. ngeroge et Norderney (*Jürgens*), pr. Eckwarden *th*), Rugiae (*Laurer*). (Siccando riget et atro-pur- ascere solet nec ob tenacitatem papyro adhaeret, ex a vero reviviscit. Variet. ciliatae s. proliferae indi- coram sunt ideoque clonaria Involucrata.)

†† *arbusculiformia, physeum. in ramos alternos ma- gis minusve densos divulso, habitum pinnatum s. arbusculae mentiente.* (*Callithamnium Ag. sp.*)

1289. *C. tetragonum Ag.*, physeumate caespitoso osissimo, ramulis quadrigonis abbreviatis patentibus i apiceque attenuatis subfastigiatis, articulis primariis metro duplo longioribus, clonario laterali sessili glo- o. — *Callithamnion tetragonum Ag. sp. II. 176. amium tetragonum Ag. syst. 137. Jürg. in lit. Con- va tetragona Dillw. conf. t. 65. Engl. bot. t. 1690.*

Ad litora maris septentrion. pr. Norderney. (*Jürgens.*)

1290. *C. Hookeri Ag.*, physeumate ramosissimo, mario crassiore continuo pallide rufo-fuscescente, ra- lis confertis abbreviatis pinnatis, pinnulis alternis ar- ulatis, articulis diametro sesquilongioribus. *Agrdh t. 138. Callithamnion Hookeri Ag. sp. II. 178. Con- va Hookeri Dillw. conf. t. 106.*

In iisdem cum praeced. locis (*Jürgens*), cujus varie- m putat *Sprengelius.*

1291. *C. tetricum Ag.*, physeumate ramosissimo i tomentoso-ramentaceo, ramis strictis repetito-pin- is, pinnis pinnulisque alternis pectinatis, articulis dia- tro subtriplo longioribus, clonariis (in pinnis) termi- ibus indeque subpedicellatis. *Agrdh syst. 141. Calli-*

thamnion tetricum Ag. sp. II. 179. *Conferva tetrica Dillw. conf. t.* 141. *Engl. bot t.* 1915. *Jürg. alg. X.* 1.

Inter rejectamenta maris septentr. cum Ceramio virgato saepius copulatum. (*Jürgens.*)

1292. *C. purpurascens W.*, physemate ramoso geniculis pellucidis articulos diametrum subaequantibus intercepto, ramis acutis duplo tenuioribus patentibus alios ramulos alternos distichos emittentibus, supremis fastigiatis, clonario obovato apiculato. — *Conferva purpurascens Jürg. alg. X.* 8. *eoque teste Engl. bot. t.* 2695.

Inter rejectamenta maris septentr. Polysiphoniae violaceae adnatum. (*Conferva purpurascens Huds.* a *Jürgensio* huc, ab *Agardhio* ad Ceramium thujodes, a *Mokrio* ad C. versicolor laudatur, hinc nostrum dubium.)

1293. *C. corymbosum Ag.*, physemate capillari ramosissimo in ramulos corymbosos desinente flacco diffuso amoene roseo, articulis diametro triplo s. quadruplo longioribus intercepto, clonario laterali ovato-globoso subsessili atro-purpurascente. — *Callithamnion corymbosum Ag. spec. II.* 165. *Ceramium corymbosum Ag. syst.* 138. *C. pedicellatum Hornem. fl. dan. t.* 1596. *f.* 2. *Conferva corymbosa Engl. bot. t.* 2352.

Ad litora maris septentr. (*Jürgens et Agardh.*)

1294. *C. roseum Roth*, physemate tenuiter membranaceo roseo a basi inde in ramos tenuiores patentissimos conformes alios ramulos capillares alternos acutos patentes exserentes divulso elegantissime ramoso, geniculis coloratis articulos diametro triplo longiores interstinguentibus intercepto, clonariis subsessilibus obovatis ad latus pinnularum internum appensis. — *Ceramium roseum Roth cat. III.* 145. *Jürg. alg. I.* 9. *Agrdh syst.* 139. *Callithamnion roseum Ag. sp. II.* 164. *Lyngb. t.* 39. *Conferva rosea Dillw. conf. t.* 17.

Ad munimenta lignea aestu maris verberata dygnast. Jever., insulae Norderney ad Jadae ripas. (*Jürgens. Roth.*)

122. POLYSIPHONIA GREV. *Rochrentang.*

Physcuma tubulos longitudinales (? sporidiis (*stictidia Ag.*) in alia physcumata arachnoidea saepe succrescentibus farctos) geniculis approximatis pellucidis interceptos rediutegrans, vasculosum, (exsiccando) habitum striatam geniculisque valde approximatis intervenientibus farctum et continuum mentiens, ramos difformes saepius tubulosos et evidentius geniculatos exserens. Clonaria ovato-acuminata apice dehiscentia, sporidiis pyriformibus farcta. (*Polysiphenia Grev. Spr. Dub. Hutchinsia Ag. syst. et sp. Lyngb. nec Brown et DC. Grammita Bonnem. Corradoria Mart. Dicarpella, Brongiartella et Gratelupella Bory. Ceramii et Confervae sp. auct. Conf. vasculosae Wahlenb. lapp.*)

† *homocothamniae, physcumate primario demum saepius cum secundariis s. ramis ramulisque conformibus.*

* *phaeochroae, physcumate e roseo-purpurascente, s. e purpura dilutius saturatiusve fuscescente, exsiccando fere nigrescente.*

1295. *P. stricta Grev.*, physcumate brevi capillari subaequali in ramos virgatos patentes divulso dilute roseo, geniculis articulos diametro duplo longiores bivenosos interstinguentibus, clonario sphaerico subsessili oligosporo. — *Polysiphonia stricta Grev. edinb.* 309. *Dub. gall. II.* 966. *Hutchinsia stricta Agrdh syn.* 56. *Lyngb. hydr.* 115. *t.* 36. *Flor. dan. t.* 1666. *Jürg. alg. XIII.* 3. *excl. syn. Ceramium sertularioides Gratel.*

Ad litora insulae Wangerogen rarius. (*Jürgens.*)

1296. *P. fibrillosa Spr.*, physcumate capillari tenerrimo stricto solitario s. aggregato a basi inde multivenosa obsolete hyalino-geniculato alia lateralia irregularia inconditо-ramosa ad extremitates in comam penicillatam soluto, primum viridulo dein purpurascente, clonariis lateralibus sphaericis exiguis crebris breviter pedicellatis. — *Polysiphonia fibrillosa Spr. syst. IV.* 319. *Hutchinsia fibrillosa Agrdh spec. II.* 78. *Ceramium*

fibrillosum Mert. in Jürg. alg. VIII. 6. *Conferva fibrillosa Dillw. conf.* n. 163. *t. G. Hornem. fl. dan. t.* 1515.

Ad Ulvam plantagineam in insula Wangeroge projectam, rarissime. (*Jürgens.*)

1297. *P. allochroa W.*, physcumate capillari ramosissimo diffuso flacco roseo demum a basi inde fuscescente in articulos quinque-venosos diametro quadruplo longiores obsolete-geniculato hyalino, ramis superioribus sensim tenuatis trivenosis angustius geniculatis plerumque in fibrillulas hyalinas fatiscentibus, clonariis ovatis breviter pedicellatis hyalinis demum rumpentibus sporulasque majusculas profundentibus. — *Hutchinsia allochroa Agrdh sp. II.* 79., *syst.* 153. *Ceramium allochroum Mert. in Jürg. alg. XVII.* 3. *Hutch. violacea v. allochroa Ag. syn. Lyngb. t.* 34. *f. B. Ceram. allochroum Roth cat. III.* 464.

Ad litora insulae Wangeroge. (*Mertens. Jürgens.*)

1298. *P. urceolata Grev.*, physcumate setaceo subaequali ramosissimo a basi inde atro-purpureo dein fuscescente rigidulo in alia abbreviata patentia conformia trivenosa divulso, geniculis pellucidis articulos diametro sesquilongiores interstinguentibus intercepto, clonariis subsessilibus urceolatis apice denticulatis. — *Polysiphonia urceolata Grev. Spr. syst. IV.* 348. *Hutchinsia urceolata Hook. scot.* 88. *Agrdh syst.* 151., *spec. II.* 70. *Ceramium urceolatum Jürg. alg. IV.* 6. *Conferva urceolata Dillw. conf.* 1. *G.*

Ad litora insulae Wangeroge et Norderney veris tempore ejicitur. (*Jürgens.*)

1299. *P. byssoides Grev.*, physcumate setaceo elongato primum purpurascente dein fusco-nigricante a basi inde vagiter ramoso geniculis obsoletis articulos diametro bis terve longiores oblique venosos interstinguentibus intercepto, ramis alternis patentibus subconformibus alios ramulos horizontales apice in physcumata arachnoideo-capillaria geniculata effusos spargentibus, clonario elliptico hyalino breviter pedicellato. — *Polysiph.*

[illegible] approximatis interventionibus farcium [illegible] ramos difformes saepius tubulo- [illegible] geniculatos exserens. Clonaria ovato- [illegible] apice dehiscentia, sporidiis pyriformibus farcta. [illegible] Grev. Spr. Dub. Hutchinsia Ag. syst. et [illegible] nec Brown et DC. Grammita Bonnem. Cor- [illegible] Mart. Dicurpella, Brongiartella et Gratelupella [illegible] et Confervae sp. auct. Conf. vasculosae [illegible] lapp.)

[illegible], physeumate primario demum sae- [illegible] cum secundariis s. ramis ramulisque conformibus.

[illegible], physeumate e roseo-purpurascen- [illegible] s. e purpura dilutius saturatiusve fuscescen- [illegible] exsiccando fere nigrescente.

[illegible] P. stricta Grev., physeumate brevi capillari [illegible] in ramos virgatos patentes divulso dilute ro- [illegible] articulus diametro duplo longiores hiveno- [illegible] clonario sphaerico subsessili oligo- [illegible] Polysiphonia stricta Grev. edinb. 309. Dub. [illegible] 966. Hutchinsia stricta Agrdh syn. 56. Lyngb. [illegible] t. 36. Flor. dan. t. 1666. Jürg. alg. XIII. [illegible] syn. Ceramium sertularioides Gratel.

[illegible] insulae Wangerogen rarius. (Jürgens.)

[illegible] P. fibrillosa Spr., physeumate capillari

Conferva elongata Engl. bot. t. 2429. Jürg. alg. V. 5. Fucus diffusus Huds. Esp. fuc. t. 133.

Ad litora insulae Norderney. (*Jürgens.*) (Forma β. vernalis habitum alienum fere Polyidis lumbricalis tenuioris omnino mentitur, ob ramulorum capillarium a phys. primario diffformium defectum.)

1302. *P. nigrescens W.*, physcumate funiculari erectiusculo atro-purpureo (exsiccando) nigro-fuscescente elongato subcaespitoso a basi (saepius denudata inde) undique ramos conformes duploque tenuiores dichotomos adpressos virgatos emittente habitumque scoparium praestante, geniculis medio hyalinis approximatis turgidis nodos annulares mentientibus articulos multivenosos opacos diametrum subaequantes intercepto, clonariis lateralibus subsessilibus magnis. — *Polysiph. fucoides edinb. 308. Dub. gall. II. 965. Hutchinsia nigrescens Lyngb. hydr. 109. t. 33. Agrdh sp. II. 69. H. violacea Ag. syn. Ceramium nodulosum DC. gall. 45. excl. syn. Dicarpella violacea Bory. Conferva fibrata Engl. bot. t. 2139. Ceram. violaceum Roth cat. I. 150. t. 8. f. 2., germ. III. 462. Conf. nigrescens Engl. bot. t. 1717.*

Ad litora maris septentrionalis. (*Jürgens.*)

1303. *P. fastigiata Grev.*, physcumate funiculari a basi subaequali inde dichotomo, superne fastigiato-ramoso in extremitates breviter bifurcatas desinente, geniculis pellucidis articulos ex siphonulis brevissimis rectis opacis farctis venas s. strias mentientibus aliamque quadratam saturatiorem includentibus compositos diametrum subaequantibus intercepto, exsiccando nigrescente duriusculo fragili, clonariis solitariis sessilibus subterminalibus ovatis acuminatis. — *Polysiph. fastigiata Grev. Spr. P. polymorpha Dub. gall. II. 965. Hutch. fastigiata Agrdh sp. II. 67., syst. 154. Lyngb. t. 33. Ceramium polymorphum DC. gall. II. 45. Wahlenb. succ. C. fastigiatum Roth cat. III. 157., germ. III. 463. Jürg. alg. VII. 3. Dicarpella fastigiata Bory. Grammita fast. Desmaz. Fucus lanosus L. Huds. Conferva polymorpha*

Oed. fl. dan. t. 395. *Dillw. conf. t.* 42. *Engl. bot. t.* 1764. *nec L.* — *Dill. hist. t.* 6. *f.* 35.

Ad Fucos majores, praeprimis ad F. nodosum maris septentrion. (*Jürgens.*)

†† *heterothamniae, phys. primario undique ramentis hirsuto ejusque ramis alios ramulos difformes exserentibus.* (*Dasya* et *Bonnemaisonia Ag. Asperocaulon Grev.*)

1304. *P. hirsuta W.*, physeumate composito-pianato cum ramorum basi approximato-geniculato, spermatidiis farcto hinque in ramenta brevia articulata succrescentibus undique hirsuto, ramis polysiphoniis angulatis geniculis obsoletis corculo nigro inscriptis articulos diametro longiores interstinguentibus interceptis ibique alios ramulos tenuiores dichotomos in articulos inflato-quadrangulos diametrum aequantes geniculis saturatioribus constrictos divulsos exserentibus, clonariis ovatis sporidiis clavatis foetis. — *Dasya coccinea Agrdh sp. II.* 119. *Bonnemaisonia coccinea Ag. bot. Zeit.* 1827. *p.* 637. *Asperocaulon coccineum Grev. edinb.* 309. *Polysiph. coccinea Spr. syst. IV.* 348. *Hutchinsia coccinea Ag. syn. Hook. Callithamnium coccineum Lyngb. Gaillona coccinea Bonnem. Ceramium coccineum DC. C. hirsutum Roth cat. II.* 169. *Jürg. alg. V.* 4. *Conferva plumosa Ellis. C. coccinea Huds. Dillw. conf. t* 36. *Engl. bot. t.* 1955.

Ad litora insulae Helgoland copiose, rarius ad Wangeroge ejicitur. (*Jürgens.*)

123. CLADOSTEPHUS AG. *Schweiflang.*

Physeuma massa grumosa farctum obsolete geniculatum ibique ramenta capillaria difformia verticillata geniculato-articulata emittens. Clonaria siliquaeformia in ramentis terminalia.

(*Ceramii sp. DC. Confervae verticillatae Roth. Dasytrichia Lamour.*)

1305. *Cl. spongiosus Ag.*, physeumate funiculari farcto parce dichotomo geniculis approximatis annulari-

Conferva elongata Engl. bot. t. 2429. *Jürg. alg. Fucus diffusus Huds. Esp. fuc. t.* 133.

Ad litora insulae Norderney. (*Jürgens.*) (For vernalis habitum alienum fere Polyidis lumbricalis oris omnino mentitur, ob ramulorum capillarium a primario difformium defectum.)

1302. *P. nigrescens W.*, physcumate fun erectiusculo atro-purpureo (exsiccando) nigro-fusce elongato subcaespitoso a basi (saepius denudata undique ramos conformes duploque tenuiores di mos adpressos virgatos emittente habitumque scop praestante, geniculis medio hyalinis approximatis dis nodos annulares mentientibus articulos multiv opacos diametrum subaequantes intercepto, clonar teralibus subsessilibus magnis. — *Polysiph. fu edinb.* 308. *Dub. gall. II.* 965. *Hutchinsia nigr Lyngb. hydr.* 109. *t.* 33. *Agrdh sp. II.* 69. *H. ci Ag. syn. Ceramium nodulosum DC. gall.* 45. *cre Dicarpella violacea Bory. Conferva fibrata Engl t.* 2139. *Ceram. violaceum Roth cat. I.* 150. *t.* 8. *germ. III.* 462. *Conf. nigrescens Engl. bot. t.* 171

Ad litora maris septentrionalis. (*Jürgens.*)

1303. *P. fastigiata Grev.*, physcumate f lari a basi subaequali inde dichotomo, superne fasti ramoso in extremitates breviter bifurcatas desinent uiculis pellucidis articulos ex siphonulis brevissimis opacis farctis venas s. strias mentientibus aliamqu dratam saturatiorem includentibus compositos diam subaequantibus intercepto, exsiccando nigrescent riusculo fragili, clonariis solitariis sessilibus subter libus ovatis acuminatis. — *Polysiph. fastigiata Spr. P. polymorpha Dub. gall. II.* 965. *Hutch. fast Agrdh sp. II.* 67., *syst.* 154. *Lyngb. t.* 33. *Cer polymorphum DC. gall. II.* 45. *Wahlenb. suec. C. giatum Roth cat. III.* 157., *germ. III.* 463. *Jürg. VII.* 3. *Dicarpella fastigiata Bory. Grammita Desmaz. Fucus lanosus L. Huds. Conferva polym*

Oed. fl. dan. t. 395. *Dillw. conf. t.* 42. *Engl. bot. t.* 1764. *nec L.* — *Dill. hist. t.* 6. *f.* 35.

Ad Fucos majores, praeprimis ad F. nodosum maris septentrion. (*Jürgens.*)

†† *heterothammiae, phys. primario undique ramentis hirsuto ejusque ramis alios ramulos difformes exserentibus.* (*Dasya et Bonnemaisonia Ag. Asperocaulon Grev.*)

1304. *P. hirsuta W.*, physeumate composito-pinnato cum ramorum basi approximato-geniculato, spermatidiis farcto iisque in ramenta brevia articulata succrescentibus undique hirsuto, ramis polysiphoniis angulatis geniculis obsoletis corculo nigro inscriptis articulos diametro longiores interstingnentibus interceptis ibique alios ramulos tenniores dichotomos in articulos inflato-quadrangulos diametrum aequantes geniculis saturatioribus constrictos divulsos exserentibus, clonariis ovatis sporidiis clavatis foetis. — *Dasya coccinea Agrdh sp. II.* 119. *Bonnemaisonia coccinea Ag. bot. Zeit.* 1827. *p.* 637. *Asperocaulon coccineum Grev. edinb.* 309. *Polysiph. coccinea Spr. syst. IV.* 348. *Hutchinsia coccinea Ag. syn. Hook. Callithamnium coccineum Lyngb. Gaillona coccinea Bonnem. Ceramium coccineum DC. C. hirsutum Roth cat. II.* 169. *Jürg. alg. V.* 4. *Conferva plumosa Ellis. C. coccinea Huds. Dillw. conf. t* 36. *Engl. bot. t.* 1955.

Ad litora insulae Helgoland copiose, rarius ad Wangeroge ejicitur. (*Jürgens.*)

123. CLADOSTEPHUS AG. *Schweiftang.*

Physeuma massa grumosa farctum obsolete geniculatum ibique ramenta capillaria difformia verticillata geniculato-articulata emittens. Clonaria siliquaeformia in ramentis terminalia.

(*Ceramii sp. DC. Confervae verticillatae Roth. Dasytrichia Lamour.*)

1305. *Cl. spongiosus Ag.*, physeumate funiculari farcto parce dichotomo geniculis approximatis annulari-

bus inscripto ibique ramenta capillaria simplicissima incurva verticillata internodia superantia adpressa obtusa confertissima exserente habitumque caudatum mentiente. — *Cladostephus spongiosus Agrdh syst.* 168., *sp. II.* 12. *Ceramium spongiosum DC. gall.* 38. *Conferva spongiosa Lightf. Roth cat. III.* 309. *Dillw. conf.* t. 42. *Engl. bot. t.* 2427. *f.* 1. *Fucus hirsutus L. mant.* 164. — *Moris. hist. XV.* t. 9. *f.* 6.

Ad litora insulae Norderney. (*Jürgens.*) (De cloneriis veris adhuc sub judice lis est. Capsulas ellipticas ex physeumatis primarii extremitatibus turgidis subclavatis prodeuntes *Dillwynius* pinxit; *Agardhius* vero alios fructus elongatos siliquaeformes massa sporacea foetos setis insidentes describit. Alia dubia de synonymis.)

124. RHODOMELA AG. *Fasertang.*

Physeuma filare submembranaceum extus tenuissime areolatum, granulis sphaericis microscopicis (spermatidiis) sive mediotenus sparsis sive in extremitate lamentacea

variabilis *Angl. F. sulfureus Turn. hist. I. t.* 10. *dg. V.* 2. *Engl. bot. t.* 1164. *Flor. dan. t.* 1543. *ferruloides Huds. angl.* 591.

penicillata, ramis extremis saepius spermatidiorum ulis fusciis in fila arachnoidea diffusa solutis. — *fuscus β. penicillata Ag. l. l.*

Insulae Wangeroge rarius. *(Jürgens)*; var. ilo penicillatis omnino ad Polysiphonias accedit.

125. CHONDRIA AG. *Schmentang.*

rassum subcilindrum teres s. compressum subgelati- exsiccando membranaceum regulariter contractum ssum filique veluti in ramulos breves ramen- laciniis saepe obsitos proliferum. Cleonarium glo- s mollis giganteum ramis ramulisque adnatum.

Chondria Ag. Laurencia Gaill. Dub. Laurencia Lam.)

frondo inani, filiformi, ramentis subclavatis.

Ch. *pinnatifida Ag.*, physemate com- 2-3 pinnato, pinnulis obtusis callosis, *Agrdh* 301., *sp. I.* 328. *Laurencia pinnatifida Lamour. corymbifer Wulff. cr. Esper fuc.* 93. *F. multifi- pinnatifidus Huds. Turn. hist. t.* 20. *Engl. bot. DC. gall. II.* 30. — *Moris. hist. XV. t.* 8. *f.* 2. angustis, inaequaliter ramentisque subclavatis grati- *Agrdh l. l. Fucus ramosissimus Flor. dan. t. F. pinnatifidus Gm. Gelidium pinnatifidum Lyngb.* nuci septentrionali ad litus raro adfuit.

Ch. *ovalis Ag.*, physematis teretiusculo fu- dichotomo, ramentis ellipticis undique sparsis arsime alternatis, sinuoso complanatis aucto. *Chon- ovalis Agrdh. sp. I.* 348., *syst.* 204. *Laurencia ovalis Gaill. Dub. gall. II.* 951. *Gigartina ver- Lamour. Fucus vesiculosus Linn. transact. III. polygaliaides Gmel. hist.* 189. *F. vermicularis t.* 18. *f.* 4. *DC. gall. II.* 27. *F. ovalis Huds. t.* 711. *Turn. hist. t.* 81.

insulam Wangeroge. *(Jürgens.)*

bus inscripto ibique ramenta capillaria simplicissima incurva verticillata internodia superantia adpressa obtusa confertissima exserente habitumque caudatum mentiente. — *Cladostephus spongiosus Agrdh syst.* 168., *sp. II.* 12. *Ceramium spongiosum DC. gall.* 38. *Conferva spongiosa Lightf. Roth cat. III.* 309. *Dillw. conf. t.* 42. *Engl. bot. t.* 2427. *f.* 1. *Fucus hirsutus L. mant.* 164. — *Moris. hist. XV. t.* 9. *f.* 6.

Ad litora insulae Norderney. (*Jürgens.*) (De clonariis veris adhuc sub judice lis est. Capsulas ellipticas ex physeumatis primarii extremitatibus turgidis subclavatis prodeuntes *Dillwynius* pinxit; *Agardhius* vero alios fructus elongatos siliquaeformes massa sporacea foetos setis insidentes describit. Alia dubia de synonymis.)

124. RHODOMELA AG. *Fasertang.*

Physeuma filare submembranaceum extus tennissime arcolatum, granulis sphaericis microscopicis (spermatidiis) sive mediotenus sparsis sive in extremitate lomentacea reconditis inscriptum. Clonarium sporidiis paucis pyriformibus foetum.

(*Fuci, Gigartinae et Sphaerococci sp. auct.*) — Genus dubium forsan cum nomine ommittendum et cum sp. Germaniae propriis ad Polysiphonias amandandum.)

1306. *Rh. volubilis Ag.*, physeumate lineari subcostato spiraliter torto sparsim ramoso-dentato, dentibus clonaria sphaerica exigua exserentibus. — *Rhodomela volubilis Agrdh sp. I.* 374. *Volubilaria mediterranea Lamour. Dub. gall. II.* 946. *Fucus volubilis L. Gmel. Turn. hist. t.* 2. *Roth germ. III.* 446.

Ad litora Holsatiae rejectam *Rothius* observavit, a me nondum visam.

1307. *Rh. subfusca Ag.*, physeumate filiformi ramosissimo, ramulis setaceis-subulatis alternis duplo gracilioribus, clonariis globosis pedicellatis. — *Rh. subfusca Ag. sp. I.* 378. *Gigartina subfusca Lamour. ess.* 48. *Lyngb.* 47. *t.* 10. *Sphaerococcus subfuscus Ag. syn.* 32.

Fucus variabilis Angl. F. subfuscus Turn. hist. I. t.10. Jürg. alg. V. 2. Engl. bot. t. 1161. Flor. dan. t. 1543. F. confervoides Huds. angl. 591.

β. penicillata, ramis extremis saepius spermatidiorum glomerulis foetis in fila arachnoidea diffusa solutis. — *Rh. subfusca δ. penicillata Ag. l. l.*

Ad litora insulae Wangeroge rarius. (*Jürgens*); var. *β.* ramulis penicillatis omnino ad Polysiphonias accedit.

125. CHONDRIA AG. *Sehnentang.*

Physeuma tubulosum teres s. compressum subgelatinosum exsiccando membranaceum regulariter contractum et attenuatum ibique veluti in ramulos breves ramentis subclavatis saepe obsitos proliferum. Clonarium globosum sessile gigartinum ramis ramulisque adnatum.

(*Chondria Ag. Lomentaria Gaill. Dub. Laurencia Lam.*)

† *fronde inermi, filiformi, ramentis subclavatis.*

1308. *Ch. pinnatifida Ag.*, physeumate compresso 2-3 pinnato, pinnulis obtusis callosis. *Agrdh syst.* 201., *sp. I.* 338. *Laurencia pinnatifida Lamour. Fucus corymbifer Wulff. cr. Esper fuc.* 93. *F. multifidus et pinnatifidus Huds. Turn. hist. t.* 20. *Engl. bot. t.* 1202. *DC. gall. II.* 30. — *Moris. hist. XV. t.* 8. *f.* 2.

β. angusta, jugamento ramentisque cylindricis gracilioribus. *Agrdh l. l. Fucus ramosissimus Flor. dan. t.* 276. *F. pinnatifidus Gm. Gelidium pinnatifidum Lyngb.*

Ex mari septentrionali ad litus raro adfluit.

1309. *Ch. ovalis Ag.*, physeumate teretiusculo funiculari dichotomo, ramentis ellipticis undique sparsis basi maxime attenuatis, siccando complanatis aucto. *Chondria ovalis Agrdh. sp. I.* 348., *syst.* 204. *Lomentaria vermicularis Gaill. Dub. gall. II.* 951. *Gigartina vermicularis Lamour. Fucus sedoides Linn. transact. III.* 17. *F. polypodioides Gmel. hist.* 189. *F. vermicularis Gm. hist. t.* 18. *f.* 4. *DC. gall. II.* 27. *F. ovalis Huds. Engl. bot. t.* 711. *Turn. hist. t.* 81.

Ad insulam Wangeroge. (*Jürgens.*)

1310. *Ch. clavellosa Ag.*, physcumate filiformi pluries pinnato, ramellis lineari-lanceolatis obtusis distichis basi attenuatis erectis, clonariis aliis punctiformibus, aliis tuberculiformibus ovatis sessilibus. — *Chordaria clavellosa Agrdh sp. I. 353. Lomentaria clavellosa Gaill. Dub. l. l. Gastridium clavellosum Lyngb. 70. t. 17. Gigartina clavellosa Lamour. Fucus clavellosus Turn. hist. t. 30. Engl. bot. t. 1203.*

Ad insulam Norderney. (*Jürgens.*)

†† *physcumate articulato-constricto.*

1311. *Ch. articulata Ag.*, physcumate tereti angusto tubuloso subgelatinoso ramosissimo dichotomo articulato-concatenato, articulis ovato-ellipticis elongatovelanceolatis utrinque attenuatis, ramis nonnisi fastigiatis verticillatisque, clonariis sessilibus urceolatis. — *Chondria articulata Agrdh syst. 207., sp. I. 357. Lomentaria articulata Lyngb. t. 30. A. Dub. gall. II. 950. Gigartina Lamour. Ceramium torulosum Roth cat. III. 125. Fucus articulatus Lightf. Turn. hist. t. 106. Engl. bot. t. 1574. Jürg. alg. XV. 1. Ulva artiulata Huds. DC. gall. II. 7. — Moris. hist. XV. t. 8. f. 14.*

Inter rejectamenta maris septentr. ad insulam Norderney, rarissima. (*Jürgens.*) (Neque generis notae neque locus in systemate certus constant.)

B. Chondrothamnia, physcumate compaginato continuo basi pythmenode stipitem fibrosum saepius emittente adnato, membranaceo s. coriaceo, exsiccando subcartilagineo, a figura tenuata cylindrica funiculari in alias quascunque concinnas multipliciterque dessisas partitasque divulso vel in plynthia foliacea nervis venisque instructa expanso, colore viridi, rosco et purpureo insigni illosque colores inter se tum ex varia loci et aëris conditione tum ex mutuae consortionis vindicta miscente et subeunte, allochroo, clonaria homogena sporidiis limbo hyalino cinctis foeta subsphaerica saepius ad extremitates emittente, spermatidiis destituta.

(*Floridcae et Fucoideae Ag. Phykoideae et Floridae Spr. Fucaceae Lamour. Dub.*)

126. POLYÏDES Ag. *Wechseltang.*

Physcuma cylindricum farctum funiculare cartilagineum e fibris radiantibus compositum. ? Clonaria verruciformia spongiosa, fibris sporidia sustentantibus fœta nuda (epidermide non tecta.)

(*Fuci, Gigartinae et Chordariae spec. auct. Sphaerococcarpus Grev.*) — Genus dubium *Agardhii* auctoritate receptum, singulari fructificationis apparatu a Coccophykeis desciscens et ad Myxophykea reclinans.

1312. *P. lumbricalis Ag.*, physcumate tereti contorto obtuse-dichotomo fastigiato, ramulis teretibus crassis furcatis acutis, clonariis oblongis difformibus lateralibus. — *Polyides lumbricalis Agrdh sp. I.* 192., *syst.* 194. *P. rotunda Gaill. Dub. gall. II.* 953. *Furcellaria rotunda Lyngb. Spongiocarpus rotundus Grev. Gigartina rotunda Lamour. Fucus caprinus Gunn. Sphaerococcus fastigiatus Wahlenb. suec. II.* 895. *Fucus radiatus Angl. F. rotundus Gmel. Turn. hist. t.* 5. *Engl. bot. t.* 1738. *Flor. dan. t.* 1544. *Jürg. alg. V.* 1.

Ad litora insulae Wangeroge rarius ejicitur. (*Jürgens.*) (Physcuma cartilagineum primum pellucido-fuscescens, dein olivaceo-fuscum, molis variae, inter pennam corvinam et passerinam ambigens. Caute a Furcellaria lumbricali dignoscendus.)

127. SPOROCHNUS AG. *Spitzentang.*

Physcuma angustum planum membranaceum, ramis ramulisque in basin petioliformem quasi angustatum margine spinulas remotas exserens. ?Clonaria. —

(*Sporochnus Ag. Desmia Lyngb. Desmarettia Lamour. Dub.*) — Genus dubiis oppressum, partibus fructificationi inservientibus conspicuis saltem destitutum, interim huc ex habitu et fabricae indole relatum.)

1313. *Sp. aculeatus Ag.*, physcumate e basi lignosa brevi tereti in ramos cartilagineos planos lineares nervos repetito-pinnatimque ramosos sparsos diviso, pri-

mariis integerrimis, ultimis margine primum penicilliferis mox spinulosis, spinulis subremotis subulatis erectis dein incurvis. — *Sporochnus aculeatus Agrdh syst.* 259., *sp. I.* 151. *Desmia aculeata Lyngb. hydroph.* 133. *t.* 44. *Desmarctia aculeata Lamour. Dub. gall. II.* 939. *Fucus contortus Esp. fuc. t.* 43. *F. usneoides Oed. F. virgatus Gunn. norv. I.* 45. *F. muscoides Gmel. Gunn. F. aculeatus L. sp.* 1632. *Flor. dan. t.* 355. *Roth germ. III.* 453. *Turn. hist. t.* 187. *Jürg. alg. IX.* 3. — *Moris. hist. XV. t.* 9. *f.* 4.

Ad litora maris septentr. prope Wangeroge. (*Roth. Jürgens.*)

1314. *Sp. ligulatus Ag.*, physeumate plano membranaceo subenervi subtriplicato-pinnato, ramis ramulisque oppositis lineari-lanceolatis basi attenuatis. — *Sporochnus ligulatus Ag. l. l. Desmarctia ligulata Dub. l. l. Desmia lingulata Lyngb. t.* 7. *Fucus herbaceus Huds. F. ligulatus Lightf. scot. t.* 29. *Turn. hist. t.* 48. *Engl. bot. t.* 1636. *Flor. dan. t.* 1592. *Jürg. alg. III.* 2.

Inter rejectamenta maris ad insulam Norderney minime frequens. (*Jürgens.*)

128. SPHAEROCOCCUS STACKH. *Knopftang.*

Physeuma subcoriaceam polymorphum a figura filari dichotoma ad plinthoden varium. Clonarium sphaericum sporidiis rotundis glomeratis foetum.

(*Fuci et Gigartinae sp. Lam. Ceramia continua Roth germ.*)

† *filares, physeumate teretiusculo filari s. funiculari dichotomo-ramoso.*

1315. *Sph. confervoides Ag.*, physeumate tereti filari s. funiculari cartilagineo sesquipedali a basi inde ramos ramulosque conformes patentim vagiterque dichotomos sensim magis gracilescentes exserente, clonariis hemisphaericis lateraliter adnatis sparsis physeumate crassioribus, dein sporidia violacea oblonga spargentibus. — *Sphaeroc. confervoides Agrdh syst.* 232., *sp. I.* 303. *Jürg. alg. VI. 1. Gigartina conferv. Lamour.*

δ. filicillosus, physeumate setaceo vage ramoso. *Agrdh* l. l. *F. filicilla Esper* t. 250.

Ad litem maris septentr. pr. Norderney (*Jürgens*); var. *β.* — *γ.* in mari baltico. (*Detharding.*)

1328. *Sph. crispus Ag.*, physeumate plano dichotomo cartilagineo integerrimo crispo-undulato, segmentis cuneiformibus, clonariis hemisphaericis in disco physeumatis sessilibus hinc concavis deciduis. — *Sphaerococcus crispus Agrdh syst.* 219., *spec. I.* 256. *Chondrus crispus Lyngb. Dan. gall. II.* 947. *Ch. polymorphus Lamour. Ulva crispa DC. gall. II.* 13. *excl. syn. et var. fucus lacerus Stackh. F. polymorphus Lamour. F. cerasiferus Gmel. fuc.* t. 7. *Roth germ. III.* 450. *F. crispus L. mant. Turn. hist.* t. 216.

α. *angustis*, physeum. lineari membranaceo subpedali. — *Fucus crispatus Flor. dan.* t. 826.

β. *patens*, physeum. dichotomo canaliculato patentes divisis, segmentis cuneiformibus angustis. — *Jürg. alg.* 2. 3.

γ. *coryphaeus*, physeum. elongato apice in lacinias corymboso-dichotomas explanato. — *F. foliifer Esper.*

In mari septentr. abundat et inter rejectamenta litoralia ad Wangeroge, Norderney affatim redit. (*Jürgens.*)

††† *subcostati*, physeumate obsoleto-costato.

1329. *Sph. rubens Ag.*, physeumatis basi tereti solidis in laminas membranaceas elongato-cuneatas palmato-bilaceras inferne obsolete costatas expanso, segmentis superioribus haud angustatis et cum inferioribus quasi cuneatis, extremis obtusis subrotundis, clonariis rupeis sessilibus undique per faciem sparsis. — *Sphaerococcus rubens Agrdh syst.* 219., *spec. I.* 237. *Halymenia rubens Ag. gall. II.* 942. *Chondrus rubens Lyngb. hydr.* t. 18. *Pennonia et Delesseria rubens Lamour. Fucus rubens Turn. hist.* t. 42. *Roth germ. III.* 452. *excl. syn. Gmel. Turn. prodr.* 1062. *Engl. bot.* t. 1053. *F. crispus Huds.*

purpureus Gmel. F. scorpioides Flor. dan. t. 887. *F. tuberculatus Lightf. F. capillaceus et acicularis Esper (formae gracilescentes.) F. purpurascens Huds. Turn. hist. t.* 9. *Engl. bot. t.* 1243. *Jürg. alg. X.* 1.

Ad litora maris septentr. prope Helgoland copiosissime, rarius ad Wangeroge. *(Jürgens.)*

††. *plani, physcymate plano dichotomo.*

1318. *Sph. Brodiaei Ag.*, physcumate filiformi subdichotomo, ramis in laminas oblongas bifurcas subproliferas abeuntibus, clonariis sphaericis pedicillatis terminalibus. — *Sphaeroc. Brodiaei Agrdh syst.* 213., *spec. I.* 239. *Lyngb. hydr. t.* 3. *Delesseria Brodiaei Lamour. Fucus Brodiaei Turn. hist. t.* 72. *Flor. dan. t.* 1476. *F. membranifolius Lamour.*

α. concatenatus, phys. elongato pluries prolifero, laminis lanceolatis. *Agdrh l. l. Lyngb.*

β. ligulatus, phys. tenuiore angustissimo laminas lanceolatas s. linguaeformes membranaceas vage exserente.

γ. angustissimus, phys. filiformi laminisque lineariibus duplo angustioribus.

In mari baltico (*Floerke. Detharding.*)

1319. *Sph. membranifolius Ag.*, physcumatis basi elongata tereti cornea ramosa dichotoma in laminas membranaceo-cartilagineas cuneiformes multifidas enerves expansa, segmentis extremis obtusis angustis denticulatisve, clonariis ovatis pedicellatis subbasilaribus. — *Sphaeroc. membranifolius Agrdh syst.* 214., *spec. I.* 240. *Lyngb. hydr. t.* 3. *Halymenia membranifolia Lamour. Fucus membranifolius Turn. hist. t.* 74. *F. rubens Flor. dan. t.* 827. *F. ceranoides Huds.* — *Moris. hist. XV. t.* 9. *f.* 2.

α. latifolius, physcumatibus in plynthia membranacea dilatatis. — *Sph. palmetta Lyngb.*

β. fimbriatus, laminis apice ciliatis. — *F. fimbriatus Huds.*

γ. pinnatus, physcumate compresso filiformi pinnato.

W. Plocamium Spr., physeumate erecto
[illegible] pinnato dichotomo ramosissimo, ramulis ulti-
[illegible] secundis filiformibus, clonariis globosis
[illegible] aggregatis lateralibus. — *Wormsk. Plocamium*
[illegible] *Delesseria Plocamium Agrdh sp. I.* 180. *Plo-*
[illegible] *coccineum Lyngb. hydroph. t.* 9. *Pl. vulgare*
[illegible] *Dub. gall.* 949. *Ceramium Plocamium Roth cat.*
[illegible] *germ. III.* 458. *Fucus Plocamium Gmel.-fuc. t.*
[illegible] *dan. t.* 1593. *Jürg. alg. IV.* 2. *F. coccineus*
[illegible] *hist. t.* 59. *Engl. bot. t.* 1242.
[illegible] muris septentr. insulae Wangeroge rarius
[illegible] pr. Ritzebüttel (*Buek*).

W. Hypoglossum Spr., physeumatis basi
[illegible] terecuscula sensim alata in frondem lineari
[illegible] avenium reticulatam e costa saepius prolife-
[illegible] margines spermatidiis lineatam dilatata, clona-
[illegible] tuberculiformibus costae insidentibus. —
[illegible] *Hypoglossum Spr. syst. l. l. Delesseria Hypo-*
[illegible] *Agrdh syst.* 249., *spec. I.* 176. *D. Hypoglossa*
[illegible] *Dub. Fucus hypoglossoides Stackh. Ulva lingu-*
[illegible] *gall. II.* 14. (quae *Deless. lingulata Dub. l. l.*)
[illegible] *hypoglossum Woodw. Engl. bot. t.* 1396. *Turn.*
[illegible] 14.
[illegible] insulae Norderney. (*Jürgens.*)

W. [illegible] Spr., physeumatis basi cor-

F. epiphyllus Flor. dan. t. 708. *F. prolifer Lightf. DC. gall. II.* 29.

Ad litora maris baltici (*Timm.*)

129. WORMSKIOLDIA SPR. *Wormskiold-Tang.*

Physeuma membranaceum stipitatum s. acaule foliaceum in laminam plynthoden s. filiformem expansum, spermatidiis punctiformibus in maculas parvas aggregatis inscriptum. Clonaria rotundata tuberculiformia.

(*Delesseria Lamour. Agrdh et auct.*) — Genus a *Lessertio* male formatum et Lessertiae genere Candolleano jam sacratum hincque Wormskioldia dictum *Sprengelio.*

† *venosae, acaules, physeumate venoso.*

1322. *W. lacera Spr.*, physeumate membranaceo tenerrimo plano praeter basin rarius nervosam avenio ramosissimo vagiter fisso, laciniis obtusis sublinearibus margine crispo-laceris undulatis, clonariis in processibus marginalibus immersis depresso-hemisphaericis. — *Wormsk. lacera Spr. syst. IV.* 332. *Delesseria lacerata Agrdh syst.* 251. *sp. I.* 184. *Halymenia lacerata Dub. gall. II.* 944. *Chondrus laceratus Lyngb. Dawsonia lacerata Lamour. Fucus ciliatus Esp. F. laceratus Gmel. fuc. t.* 21. *f.* 4. *Turn. hist. t.* 68. *Engl. bot. t.* 1067. *DC. F. crispatus Huds. F. endiviaefolius Lightf.*

Ex mari septentrion. ad litora advehitur. (*Mertens.*)

†† *costatae, physeumate costato.*

1323. *W. alata Spr.*, physeumate costato obsolete nervoso lineari dichotomo versus apicem alternatim pinnatifido spermatidiis punctiformibus in lineolas angustas parallelas ad utrumque nervi latus dispositas digestis inscripto, pinnis sublingulatis, clonariis sessilibus tuberculiformibus. — *Wormsk. alata Spr. l. l. Delesseria alata Lamour. Agrdh spec. I.* 184. *Lyngb. hydr. t.* 2. *Dub. gall. II.* 946. *Sphaerococcus alatus Wahlenb. suec. II* 898. *Fucus alatus Huds. Gmel. fuc. t.* 25. *f.* 1. *Flor*

dan. t. 352. *Turn. hist. t.* 160. *Engl. bot. t.* 1387. *Jürg. alg. IX.* 4.

In mari baltico et sinu Codano (*Detharding*), ad litora insularum Frisiae raro, frequentius ad insulam Helgoland. (*Jürgens*). (Varietates intercurrunt platy- et leptoplyuthiae.)

1324. *W. Plocamium Spr.*, physcumate erecto cartilagineo pinnato dichotomo ramosissimo, ramulis ultimis pectinatis secundis filiformibus, clonariis globosis sessilibus aggregatis lateralibus. — *Wormsk. Plocamium Spr. t. l. Delesseria Plocamium Agrdh sp. I.* 180. *Plocamium coccineum Lyngb. hydroph. t.* 9. *Pl. vulgare Lamour. Dub. gall.* 919. *Ceramium Plocamium Roth cat. II.* 161., *germ. III.* 458. *Fucus Plocamium Gmel. fuc. t.* 16. *Flor. dan. t.* 1593. *Jürg. alg. IV.* 2. *F. coccineus Huds. Turn. hist. t.* 59. *Engl. bot. t.* 1242.

Ad litora maris septentr. insulae Wangeroge rarius (*Jürgens*), pr. Ritzebüttel (*Buek*).

1325. *W. Hypoglossum Spr.*, physcumatis basi stipitiformi teretiuscula sensim alata in frondem lineari lanceolatam aveniam reticulatam e costa saepius proliferam ad margines spermatidiis lineatam dilatata, clonariis sparsis tuberculiformibus costae insidentibus. — *Wormsk. Hypoglossum Spr. syst. t. l. Delesseria Hypoglossum Agrdh syst.* 249., *spec. I.* 176. *D. Hypoglossa Lamour. Dub. Fucus hypoglossoides Stackh. Ulva lingulata DC. gall. II.* 14. (*quae Deless. lingulata Dub. l. l.*) *Fucus hypoglossum Woodw. Engl. bot. t.* 1396. *Turn. hist. t.* 14.

Ad litora insulae Norderney. (*Jürgens.*)

1326. *W. sanguinea Spr.*, physcumatis basi cornea sublignosa tereti ramosa in plyuthia ovata s. elongata lanceolata simplicia integerrima undulata obtusa pinnatim nervosa dilatata, clonariis sphaericis petiolatis e costa denudata emergentibus. — *Wormsk. sanguinea Spr. syst. t. l. Delesseria sanguinea Lamour. Lyngb. hydroph. t.* 2. *Agrdh syst.* 248., *spec. I.* 172. *Sphaero-*

coccus sanguineus Wahlenb. suec. II. 898. *Fucus sanguineus Linn. mant.* 136. *Flor. dan. t.* 349. *Turn. hist. t.* 36. *Engl. bot. t.* 1041. *Roth germ. III.* 439. *Tim meg. no.* 1061. *DC. Jürg. alg. X.* 2. — *Moris. hist. XV. t.* 8. *f.* 6.

β. lanceolata, physeumate angustissimo lanceolato.

Ad litora maris septentr. prope Helgoland copiose rarius ad insulam Wangeroge, vix vero illaesa ejecta (*Jürgens*), ad mare balticum (*Timm.*)

130. FURCELLARIA AG. *Gabeltang.*

Physeuma pythmenibus fibrosis innixum cylindricum funiculare dichotomum; rami apice in clonaria siliquaeformia subulata simplicia intumescentes.

1327. *F. fastigiata Lamour.*, physeumate funiculari cartilagineo dichotomo fastigiato, angulis dichotomiae acutis; apicibus bifurcis obtusis, clonariis conceptacula siliquaeformia terminalia praestantibus. — *Furcellaria lumbricalis et fastigiata Lamour. Dub. Lyngb.* 1 *Agrdh sp. I.* 103. *Fucus lumbricalis Gmel. fuc. t.* 6. 2. *Turn. hist. t.* 6. *Engl. bot. t.* 824. *Roth germ. I.* 455. *Jürg. alg. IV.* 1. *F. furcellatus L. sp.* 1631. *Fl dan. t.* 419. *et t.* 1544. *Wahlenb. suec. II.* 890. *R l. l. F. fastigiatus Huds. Linn. — Moris. hist. X t.* 9. *f.* 4.

Ad litora insulae Helgoland, rarius ad Norderney Wangeroge (*Jürgens*); in mari baltico ubertim. (Var physeumatis teneritate fere filari.)

131. FUCUS L. EMD. *Seetang.*

Physeuma compressum nunc dilatatum, nunc alatu ramosum subdichotomum membranaceo - cartilagineo physciis (*vesiculis auct.*) plerumque instructum. Cloc ria turgida intus mucosa tuberculis sphaericis spermat phoris fibrisque mixtis foeta.

(*Fucus L. ex emend. Grev. aliorumq. Halidrys Lyng Siliquaria et Nodularia Lamour.*)

... superficiem clonariis parvis tuberculiformibus ... — *Himanthalia lorea Lyngb. tent.* ... *gall. II.* 939. *Fucus loreus L. syst. II.* 716. ... *III.* 454. *Engl. bot. t.* 569. *Turn. hist. t.* ... *lapp.* 499., *suec. II.* 889. *Flor. dan. t.* ... *sp. I.* 92. *Jürg. alg. IX.* 1. *F. elongatus* ... 27. *Ulva pruniformis Gunn.*

... maris septentr. (*Jürgens.*) (Annuus esse ... solum calycem basilarem relinquens.)

... CYSTOSIRA AG. *Schotentang.*

... ramosum subcylindricum in ramos confor... physciis interceptus divulsum. Clonaria ... terminalia loculosa, tubercula pertusa sper... mixta continentia.

C. fibrosa Ag., physeumate lignoso tereti ... in ramulos filiformes ramosissimos iner... divisis, physciis innatis insignibus ovato-el... ...catenatis, clonariis filiformibus terminalibus. ... *fibrosa Agrdh. sp. I.* 65. *Fucus baccatus et* ... *Gael. fuc. t.* 2. *F. setaceus Huds. F. fi*... *Turn. hist.* 209. *Engl. bot. t.* 1969. *Jürg.* ... 4.

... phys. uniuervio plano simplici aphyscio.

β. acutus, phys. angusto physciophoro in apices lanceolatos producto. — *Turn. et auct. l. l. Jürg. XI.* 1.

γ. obtusus, phys. dilatato in apices obovatos obtusos desinente. — *Fucus divaricatus Esp. Roth germ. III.* 442.

δ. linearis, phys. angusto aphyscio, clonariis elongatis lineari-lanceolatis acutis. — *F. linearis Huds.*

ε. undulatus, phys. margine sinuato, subundulato. — *Roth l. l.*

ζ. subecostatus, phys. unciali subecostato. — *F. balticus Ag. DC.*

In maribus germanicis copiosissime, pro munienda litoribus inserviens. (Perquam versipellis et praeter var. l., alias innumeras ad physeumatis et ad clonariorum rationem: *var. macroclonariam*, clonariis maximis et *var. sphaeroclonariam*, clonariis rotundatis proferens.)

1331. *F. ceranoides L.*, physeumate cartilagineo plano alato-dilatato lineari costato dichotomo integro aphyscio, segmentis lateralibus angustioribus multifidis, clonariis ovalibus tumidis tuberculatis apice acutis basi confluentibus. — *Fucus ceranoides L. sp.* 1626. *Turn. hist. t.* 89. *Agrdh syst.* 277., *sp. I.* 93. *DC. Engl. bot. t.* 2115. *?Roth germ. III.* 430. *Jürg. alg. X.* 4.

Ad oras insulae Wangeroge rarissime. (*Jürgens.*)

1332. *F. serratus L.*, physeumate cartilagineo plano alato-dilatato lineari costato dichotomo serrato-dentato aphyscio, clonario solitario tuberculato depresso tuberculato obtuso. — *Fucus serratus L. sp.* 1626. *Turn. hist. t.* 90. *Roth germ. III.* 441. *Engl. bot. t.* 1221. *Lyngb. hydroph. t.* 1. *Jürg. alg. VIII.* 3. — *Moris. hist. XV. t.* 9. *f.* 1.

α. integer, physeumate obtuso subintegro.

β. angustus, physeumate duplo angustiore lineari.

Ad rupes insulae Helgoland ubertim, ad litora vicina (*Jürgens. Roth*) et maris baltici (*Timm. Dethardiug.*)

††† *physcum. e basi cyathiformi emergente integerrimo, dein clonariis immersis foeto.* (*Himanthalia Lyngb. Dub.*

1333. *F. loreus L.*, physcumate compresso dichotomo e basi cyathiformi subeunte in ramos erectos lineares obtusos aphysciis elongatos succrescente, dein per omnem superficiem clonariis parvis tuberculiformibus numerosissimis foetō. — *Himanthalia lorea Lyngb. tent. t. 8. Dub. gall. II. 939. Fucus loreus L. syst. II. 716. Roth germ. III. 453. Engl. bot. t. 569. Turn. hist. t. 196. Wahlenb. lapp. 499., suec. II. 889. Flor. dan. t. 710. Agrdh sp. I. 92. Jürg. alg. IX. 1. F. elongatus L. sp. 1627. Ulva pruniformis Gunn.*

Ad litora maris septentr. (*Jürgens.*) (Annuus esse videtur; vere solum calycem basilarem relinquens.)

132. CYSTOSIRA AG. *Schotentang.*

Physcuma ramosum subcylindricum in ramos conformes tenuiores physciis interceptos divulsum. Clonaria tuberculosa terminalia loculosa, tubercula pertusa spermatidiis filis mixta continentia.

1334. *C. fibrosa Ag.*, physcumate lignoso teretī ramoso, ramis in ramulos filiformes ramosissimos inermes obtusos divisis, physciis innatis insignibus ovato-ellipticis subconcatenatis, clonariis filiformibus terminalibus. *Cystosira fibrosa Agrdh sp. I. 65. Fucus baccatus et abrotanoides Gmel. fuc. t. 3. F. setaceus Huds. F. fibrosus Huds. Turn. hist. 209. Engl. bot. t. 1969. Jürg. alg. VIII. 4.*

β. plana, phys. uninervio plano simplici aphyscio.

Inter maris septentrion. rejectamenta insulae Wangeroge, rarissima. (*Jürgens.*)

1335. *C. siliquosa Ag.*, physcumate compresso, ramis distichis alternis, ramulis planis linearibus integris, physciis pedunculatis oblongis articulato-nodosis, clonario pedunculato lanceolato terminali. — *Cystos. siliquosa*

Agrdh sp. I. 71. *Fucus siliquosus L. sp.* 1829. *Flor. dan. t.* 106. *Roth germ. III.* 440. *Turn. hist. t.* 159. *Engl. bot. t.* 474. *Halidrys siliquosa Lyngb. hydroph. t.* 8.

Ad litora maris septentr. et baltici cum tempestatibus advehitur. (*Jürgens. Detharding.*) (Variat: clonariis apice bifidis.)

133. SARGASSUM AG. *Beerentang.*

Physcuma ramosum cylindricum s. compressum in ramos compressos foliiformes distinctos sessiles nervo medio instructos divisum, physciis distinctis axillaribus petiolatis auctum. Clonaria tuberculiformia in racemum axillarem disposita, tuberculis pertusis, spermatidiis filis nullis mixtis foeta.

1336. *S. bacciferum Ag.*, physeumate compresso in ramulos foliiformes lineari-lanceolatos serratos divulso physciisque sphaericis muticis pisiformibus aucto, clonariis cylindricis racemosis. — *Sargassum bacciferum Agrdh sp. I.* 6. *Jürg. alg. IX.* 2. *Fucus bacciferus Turn. hist. t.* 47. *F. natans L. sp.* 1628.

E mari septentrion. ad litora Wangerogensia rarissime ejicitur. (*Jürgens.*)

Ordo IV.

GYROPHYKEA W. *Spiraltange.*

Vegetabilia limnophila i. e. lacustria s. scaturiginosa, e fundo aquarum dulcium et salsarum gliscendo nec tamen emergendo socialiter assurgentia turgida emersa cito contabescentia, massu arenosa s. heliophoba, annua, ex physeumate membranaceo tubuloso eoque nunc simplici (*monosiphonio*), exsiccando collabente et ligamenti instar compresso, nunc ex aliis pluribus connatis unum veluti redintegrantibus tubulumque interaneum corrugando obducentibus (*polysiphonio*), nunc denique ex utroque mixto (*heterosiphonio*) composito, per intervalla artic-

…ssimi capillari asperiss. (ex laticis interanei recessu)
…, vix ultra a basi ramosa inde constricto ibique
…ramenta lateralia verticillata numero et longitu-
…ria simplicia s. ultra mediam partem connatricta
…alia conformia extremitates 2-3furcatas s. prolife-
…rillosas mentientia deinceps, clonariis subglobosis
…ondylio conforme subjectum s. interjectum ma-
…ro perlucente extremarum latera occupantibus.

…ogonopa, phys. subsimplicissimo continuo magis
…e gracilem, ex apice constricto fructificationem
…ssilem sustinente. — *Charae flexilis var. Mert.*

…dichogyna, phys. asperiss. tenerrimo, a basi ramosa
…constricto ibique alia lateralia verticillata conformia
…is s. bi-trifurcata ad axillas fertilia exserente,
…e axillari solitario cum condylio subjecto confor-
… Ch. flexilis s. *flabellata Reichenb. in Moessl.*
…ll. 1394. *Ch. tenuissima Desv. journ. II. 313.*
…ost. 146. *Ch. gracilis Sm. engl. bot. t. 2140. Ch.*
…*ta Wulf in lit. Ch. hyalina* auct.

…gonopa, phys. pertenui, a basi inde constricto
… alia lateralia in verticillos absoletos regulariterve
…e emittente, lateralibus sive apice sive infra illum
…ssis ibique ad extremitatis bi-trifurcatae s. proli-
…llas, clonariis gemina ternave cum condylio inter-
…ruptionis transmittentibus. — *Chara capitata*
…ub Lucub. in Regensb. Denkschr. 1818. *II. t. 6.*
… in *Schkuhr. Linn.* 1827. *p. 3. Agardh syst.* 125.
…*gonopa Reichenb. l. l.*

…prolifera, phys. fasciculato subsimplici pertenui, a
…inde constricto ibique alia lateralia approximata
… ex stipulatis confertis iterum verticillata exserente
…ramos tenuissimos mentiente, clonariis exiguis cum
…is subjecta conformi. — *Ch. hyalina DC. gall.*
…7. Ch. congesta Mueckl. in lit. ?R. Brown. Ch.
…*a* auct. *Batis maritima Polt. et Turp. in herb.*
…*ans L. Ch. glomerata Desv. pr. pr. Lois.* auct.
…*Reichenb. l. l. Ch. flexilis β. stellata Wallr. ann.*
… *f.* 1.

bryis globosis mucosis foetum prolemque e vertice transmittens, alare (i. e. physeumatis lateri interno adfixum (*fl. foeminei*). Condylia duplicia: alia sphaerica colorata filis articulatis farcta demum in lamellas triangulas dehiscentia, clonario subjecta (*fl. masculi auct.*), alia globulis farcta hemisphaerica s. conglobata tuberi- s. stellaeformia. Physeuma tubulosum membranaceum hyalinum latice vegetabili viridi globuloso circumfluo (veluti spermatidiis) tinctum, simplex omnino ac laeve (*monosiphonium*), s. ex aliis pluribus superadditis (*polysiphonium*) compositum, s. ex utraque mixtum (*heterosiphonium*), per intervalla distincta (arthronematum instar) articulatum ibique alia physeumata lateralia verticillata cum primario (ex abortu) conformia, e latere interno fertilia exserens, aphyllum prorsus at undique in processus conformes, ramos, ramulos bracteasque mentientes proliferum.

(*Nitella Agrdh. Chara Vaill. L. et auct. Confervae sp. Müll. Equisetum Moris. C. Bauh.* (*cui scilicet nunc quoque adfinem habent Hallerus, Wahlenb. Bischoff et Duby.*) *Hippuris Plukn. Ponted. Dill.* — (Speciatim genus dubiis jam nobilitatum tractant: *Vaillantius act. paris.* 1719. *Willd. Berl. Magaz.* 1803. *Wallroth ann. bot. in tractatu de Chara algarum genere. Kaulfuss Erfahrungen über das Keimen der Charen. Martius in act. monach. Bischoff crypt. Gew. I. t.* 1. 2.)

A. monosiphoniae, physeumate solitario membranaceo, vivo hyalino sequaci, nunc laevi omnino nec striato ac praeter sordes lacustres mundo, nunc papulis microscopicis undique obsito, alia physeumata lateralia conformia saepius minus regulariter verticillata exserente; clonariis ovato-subglobosis, numero variis, condylio globoso superadditis.

(*Nitella Ag. Charae sine striis evidentibus Wahlenb. Ch. tubulis solitariis Mart. Chara flexilis Vaill. L. Wallr.* — Modo prolificandi, sordes suscipiendi totoque habitu ad Confervas proliferas revergunt.)

1337. *Ch. gracilis Sm.*, physeumate monosipho-

nio pertenui capillari saepius (ex laticis interanei recessu) hyalino, vix nisi a basi ramosa inde constricto ibique alia physeumata lateralia verticillata numero et longitudine varia simplicia s. ultra mediam partem constricta inque alia conformia extremitates 2-3furcatas s. prolifero-flabellatas mentientia desinente, clonariis subglobosis 1-3 condylium conforme subjectum s. interjectum munientibus prolinmve extremarum latera occupantibus.

α. epicarpa, phys. subsimplicissimo continuo magis minusve protenso, ex apice constricto fructificationem subterminalem sustinente. — *Charae flexilis var. Mert.*

β. dichocarpa, phys. saepius tenerrimo, a basi ramosa inde constricto ibique alia lateralia verticillata conformia simplicia s. bi-trifurcata ad axillas fertilia exserente, clonario axillari solitario cum condylio subjecto conformi. — *Ch. flexilis α. flabellata Reichenb. in Moessl. D. Fl. III.* 1594. *Ch. tenuissima Desv. journ. II.* 313. *Lois. not.* 136. *Ch. gracilis Sm. engl. bot. t.* 2140. *Ch. intricata Wolff in lit. Ch. hyalina auct.*

γ. syncarpa, phys. pertenui, a basi inde constricto ibique alia lateralia in verticillos obsoletos regularesve digestos emittente, lateralibus sive apice sive infra illam constrictis ibique ad extremitatis bi-trifurcae s. proliferae alas, clonaria gemina ternave cum condylio interjecto conformia transmittentibus. — *Chara capitata Necs ab Esenb. in Regensb. Denekschr.* 1818. *II. t.* 6. *Meyen in Schtdl. Linn.* 1827. *t.* 3. *Agrdh syst.* 125. *Ch. syncarpa Reichenb. l. l.*

δ. prolifera, phys. fasciculato subsimplici pertenui, a basi inde constricto ibique alia lateralia approximata brevia, ex stricturis confertis iterum verticillata exserente habitumque torulosum mentiente, clonario exiguo cum condylio subjecto conformi. — *Ch. hyalina DC. gall. VI.* 247. *Ch. congesta Maerkl. in lit. ?R. Brown, Ch. lapulina auct. Batis maritima Poit. et Turp. in herb. Mert. nec L. Ch. glomerata Desv. pr. pr. Lois. not.* 136. *Reichenb. l. l. Ch. flexilis β. stellata Wallr. ann.* 178. *t.* 6. *f.* 1.

In fossis limosis et stagnis minoribus German. australis et mediae; var. *α.* ducat. bremens.; *β.* Franconiae (*Wolff*), agri hal. et thuring.; *γ.* tractus rhenan. (*Nees*), agri gotting., halens. (*W.*), berolin. (*Beyrich*); *δ.* Franconiae (*Wolff*), agri halens. et caroliruh. pr. Kurlingen (*Maerklin.*)

1338. ***Ch. flexilis L.***, physcumate monosiphonio filari atro-virente (e latice vegetabili), a basi ramosa inde constricto ibique alia physcumata lateralia conformia verticillata numero et longitudine varia, sive continua sive mediotenus sive infra-apicem constrictum in alia fructificationem munientia prolifera exserente, clonario subgloboso axillari s. subterminali.

α. epicarpa, phys. elongato simpliciusculo continuo s. hinc inde constricto ibique alia physcumata obsoletes. perfecte verticillata internodia subaequantia simplicissima s. simpliciter furcata sterilia s. ex apice fertilia spargente, rarius condyliis stellatis hinc inde dispersis obsesso. — *Ch. opaca Agrdh syst.* 125. *excl. syn. DC. Ch. flexilis Thuill. par. et al. auct. Ch. Vaillantii Spr. in lit.* — *Ch. stelligera Bauer. Reichenb. l. l.* 1595., *pl. crit. icon. cent. VII.* (*forma condylophora.*)

β. dichocarpa, physcumatibus verticillorum longius infra apicem constrictis, e latere interno alia conformia fuemque extremum subaequantia fructificationem alarem foventia exserentibus habitumque bi- trifurcum mentientibus. — *Nitella flexilis Agrdh syst.* 124. *Chara flexilis L. sp.* 1624., *ed. Willd. IV.* 187. *Poll. pal. Hoffm. germ.* 122. *Roth germ. I.* 390. *Sm. brit. I.* 96. *Pers. syn. II.* 530. *Willd. in act. berol. l. l.* 89. *Wallr. ann.* 176. *excl. syn. pl. Mart. erl.* 289. — *Engl. bot. t.* 1703. *Schmid. icon. t.* 14. *Schkk. Handb. III. t.* 280. *Bisch. cr. t. I. f.* 1. — *Ch. translucens minor flexilis Raj. Hippuris setis bifurcis Dill. Buxb. hal.* 160.

γ. acarpa, verticillorum phys. continuis, infra apicem constrictum condylophoris. — *Ch. dioica Wolff.*

δ. ramentacea, verticillorum phys. continuis ex apice

rementa in comam congesta sustinentibus. — *Hippuris ramis per extremitatem stellatis Dill.*

ε. prolifera, verticillorum physcumatibus cum primario conformibus, alia ex axillis illis breviora s. longiora, apice ramentis continuis s. pluries constrictis ibique nonnisi fertilibus in comam congestis coronata exserentibus, s. incondito-repetitoque proliferis. — *Nitella nidifica Agrdh syst.* 125. *Ch. flexilis β. marina Wahlenb. suec. II.* 694.; *var. nidifica Hart. Ch. glomerata Thuill. Ch. Stenhameriana Wallm. Ch. intertexta Trentep.*

In stagnis, lacubus fluviisque lente fluentibus, variis German. locis haud rara, *ε.* potissimum in aquis marinis. (*Charam stelligeram Bauer.*, vix nisi condyliis sparsis in ordinem quemdam et formam veluti stellatam digestis insignem, denuo non distinguo, quippe omnibus speciebus ejusmodi corpora, a *Rebentischio* ceu flores infoecundati praemonita et a me primum descripta, communia.)

1339. *Ch. translucens Pers.*, physcumate monosiphonio funiculari longissime protenso robusto (siccando) tenaciore atro-virente, a basi subsimplici inde constricto ibique alia physcumata magis minusve regulariter constricta ibique (s. mediotenus s. infra s. ad ipsum apicem) ramenta brevia acuminata reliquis multo gracilliora cum clonariis condyliisque in comam congesta exserente. — *Nitella translucens Agrdh syst.* 124.

α. epicephala, phys. praeter verticillorum rudimenta incondita continuo, ex apice constricto comam ramentaceam cum fructificatione interjecta exserente eoque veluti capitato. — *Chara Chorda Lois. Ch. confervoides Thuill. Ch. translucens Pers. ench. II.* 531.

β. syncephala, phys. a basi inde remotissime constricto ibique alia physcumata conformia praelonga, internodia saepius excedentia continua omnino s. semel bisve constricta huc illucve comam ramentaceam capituliformem sessilem, s. physcumatis appendice juxta verticillos exserta veluti pedunculatum porrigente. — *Ch. flexilis Thuill. par. II.* 472. (*qui genus proprium divinavit.*)

DC. gall. II. 586.; *var. ε. translucens Reichb. l. l.* 1594. *Ch. pedunculata Agrdh syst. praef.* 27. (*lusus pedunc. inter verticillos*). *Ch. obtusa Desv. Lois. not.* 136. *Ch. translucens auct. Engl. bot. t* 1855. *Ch. vulgaris β. elongata Wallr. l. l. Ch. corallina Willd. act. berol. t.* 2. *f.* 2. *Agrdh syst.* 123. (*sp. extorris*). — *Vaill. l. l. t.* 3. *f.* 8.

γ. prolifera, verticillorum physeumatibus cum primario robusto conformibus praelongis subcontinuis, ex axillis alia physeumata ramentacea 2-3 constricta, in fasciculos insignes aequales sessiles s. exsertos, raro fertiles transmittentibus. — *Ch. nidifica auct.*

In aquis stagnantibus salsis praesertim German. australis et mediae, rarius etiam in agro halens. et bremensi intercurreus. — (*NB.* Specierum cum synonymis selectis et certis triadem modo expositam, unam eandemque stirpem totidemque formas ad physeumatis molem capillarem (*Ch. gracilis*), filarem (*Ch. flexilis*) et funicularem (*Ch. translucens*) praestare, testis sum, et *Ch. translucentem* meam, physeumate monosiphonio laevi rarissime continuo, mole vario, plerumque a basi inde articulato-constricto ibique alia conformia continua in verticillos obsoletos perfectosque digesta emittente, clonariis ovato-subglobosis 6-8 gyrosis alaribus solitariis ternisve nudis, condyliis globosis lateritiis illa subaequantibus — insignem cum formis subscriptis, varietatibus et monstris commendo.)

1340. *Ch. barbata Meyen*, physeumate monosiphonio, plerumque filari, a basi inde constricto ibique alia physeumata regulariter verticillata, basi ramentis patentibus succincta, a media parte continua ex articulis 2-4 superioribus intra physeumata semi-verticillata brevia clonarium oviforme 6-8gyrosum coronula tenui tectum munientia exserente. — *Chara barbata Meyen in Schltd. Linn.* 1827. *t.* 3. *f.* 7. 8. *Reichenb. l. l.* 1595. *Ch. intricata Maerkl. in herb. Mert.*

In stagnis et fossis v. c. des Bischoffweilers pr. Er-

ingam (*Maerklin*), agri hal. (*Wallr.*), am Plötzensee pr. erolinum (*Meyen*). (Stirps, ni fallor, distincta, a praecedentibus, physeumatibus verticillorum ad basin fasciculi minorum sustentatorum articulatis, intra alia physeumata bracteaeformia, clonarium oviforme majusculum, tunica gyris 6-8 remotis inscripta et in coronulam sensim excurrente obductum, illis duplo plerumque brevius, transmittentibus.)

1341. *Ch. papulosa W.*, physeumate monosiphonio subfilari ramoso undique papuloso, a basi inde articulis, inferioribus remotis, reliquis sensim magis approximatis intercepto ibique alia physeumata regulariter-verticillata sena internodiis longiora, ad basin et juxta articulos iterum alia teretia spiniuliformia patentia verticillata clonario sublongiora emittente, clonario ovato-subrotundo extus papuloso obtuse-plicato, condyliis sphaericis. — *Chara nidifica Bang. pr. pr.*

Inter Charam nidificam e mari septentrion. ejectam equidem stirpem eximiam rimatus sum, primo intuitu papulis microscopicis, omnes praeter condylia partes obtegentibus, demum, virore excusso, illas denudantibus et physeumatibus verticillorum articulatis ibique similibus spiniuliformibus obsessis, habitu prorsus horrido recognoscendam.

B. heterosiphoniae, physeumate primario polysiphonio tenuiter striato, ex articulis alia verticillata monosiphonia emittente, heterosiphonio prorsus.

1342. *Ch. coronata Ziz*, physeumate primario polysiphonio tenuiter striato funiculari, a basi ramosa inde articulato ibique alia verticillata monosiphonia inflata ex articulis constringentibus iterum alia eaque obsoleta linearia acuminata verticillata cum internodiorum ramentis conformia emittente, clonariis oviformibus exiguis solitariis ternisve, physeumatis rudimenta bracteiformia subaequantibus. — *Chara coronata Ziz. Bischoff cr. I. t. 1. f. 1. (ramulus)*

In fluminibus lente fluentibus agri berolin. (*Beyrich*).

et Germaniae mediae (*Zîz*). (Stirps insignis, ad formas singulas, quibus procul dubio Ch. translucentis meae more obnoxia, sedulo observanda. Internodiorum ramenta cum reliquis, tum ad verticillorum articulos, tum ad eorum basin apicemque emergentibus conformia, lusus nudos et ramentaceos saltem suadent.)

C. polysiphoniae, *physcumate polysiphonio, nonnisi circa tubulum interaneum s. matricalem alia gracillima conferruminata redintegrante unumque quasi, modo subtilissime striatum, modo costatum redintegrante, plerumque dextrorsum torto et ad internodiorum basin ramentacco, alioquin mundo s. frequentius massa grumosa calcarea spurco, lateralibus verticillatis regulariter conformiterque articulatis vel ex monstri casu continuis s. inflatis (monstra inflata cum blastematis metamorphosi ad inflationem comparanda; cf. Wallr. Naturgesch. d. Flechten. II. 148.); clonariis ovatis oblongisque 12–15 gyrosis; condyliis globosis lateritiis subjectis.* (*Charae verae Agrdh. Ch. tubulis compositis auct. Ch. composito-tubulosae Reichenb.*)

1313. *Ch. pulchella W. emend.*, physcumate polysiphonio subtilissime striato plerumque gracilescente capillari s filiformi mundo pellucido fragilissimo, a basi inde alia regulariter remoteque verticillata conformia internodiis nudis s. ramentaceis breviora pluries geniculata ibique ramenta semiverticillata acuminata brevissima emittentia exserente, clonariis ovato-subrotundis ramenta bracteiformia superantibus, coronula connata tectis.

α. delicatula Desv., phys. gracillimo capillo saepius tenuiore nudo, alia conformia rariter verticillata exserente, saepius sterilescente. — *Ch. delicatula β. setacea Agrdh syst.* 130. *Ch. delicatula Desv. Lois. l. l. Ch. aspera Jürg. alg. XVIII.* 1. *pr. pr.*

β. globularis Thuill., phys. capillari nudo laete-virente subsimplici protenso, ex articulis approximatis alia regulariter verticillata, e latere interno fertilia exserente. — *Ch. globularis Thuill. par. II.* 472. *Pers. syn. II.*

530. *Ch. gracilis Spr. syst. IV.* 345. *pr. pr. et excl. syn. ad Ch. monosiph. pertin. Ch. vulgaris β. DC. gall. II.* 581.; *var. γ. pulchella Wahlenb. succ. II.* 692. *Bruz. char.* 8. *Ch. intricata Steudel. Ch. pulchella Wallr. ann.* 184. *t.* 2. *excl. syn. plur. Ch. zeylanica Hornem. (sp. extorris).*

γ. capillacea Thuill., phys. protenso capillari s. filari, ex articulis remotis alia lateralia in verticillos regulares digesta internodiis longiora saepius praelonga, ex articulis fertilia exserente. — *Ch. capillacea Thuill. l. l. Pers. syn. II.* 530. *DC. syn.* 119. *Ch. fragilis Desv. Lois. l. l. Reichenb. l. l.* 1597. *Ch. vulgaris Hedw. theor. t.* 32. 33. *Schltd. berol. II.* 46. *aliorumque auct. Ch. Hedwigii Agrdh l. l. pr. p.*

δ. inflata, phys. capillari, verticillorum ramulis sterilibus, a media inde parte parce inflatis. — *Chara capillacea auct.*

ε. aspera Willd., phys. capillari s. filari, saepe gracillimo, praeter ramenta internodiorum tenerrima acuta spinaliformia cum praecedentibus var. conformi, mole et proceritate vario. — *Ch. galioides DC. cat.* 93., *gall. VI.* 216. (1-2 *dodrantalis*). *Ch. canescens Desv. Lois. not.* 136. *DC. VI.* 246. *pr. pr.* (*dodrantalis, filaris*). *Ch. aculeata Gay in herb. Ch. pusilla Flocrk. Dethard. in lit.* (*uncialis, erecta, omnium subtilissima*). *Ch. aspera Willd. l. l.* 298. *Wallr. ann.* 186. *t.* 6. *f.* 3. *Agrdh syst.* 130. *Reichenb. l. l.* 1598. *Jürg. alg. l. l. Ch. hirta Meyen. Ch. hispida a. Wahlenb. succ. II.* 692. *eoque teste ipsius Linn. succ. Ch. interexta Desv. Lois.* (*lusus tener, parcius ramentaceus*). *Ch. jubata Thuill. in herb. gall.*

In aquis puris, nec non in stagnis salsis passim. (*Linnaeo* forsan jam nota, a me primum nec non cum aliis formis ramentaceis, a *Willdenowio* et *Dethardingio* lectis, distincta.)

1344. *Ch. crinita W.*, physeumate polysiphonio filari membranaceo subsimplici hyalino sulcato plerum-

que mundo sequaci valde protenso, a basi inde alia physcumata lateralia 10-12 in verticillos regulares, internodio ramentis fasciculatis tenuissimis longissimis acicularibus propexis undique horrido duplo breviores digesta 6-8 articulata exserente, clonariis oblongis perpendicularibus tenuissime tunicatis, demum gyris sulcatis parce notatis, nigris, coronula 5-dentata pertenui tectis, ramentis bracteiformibus verticillatis patentibus duplo brevioribus. — *Ch. crinita Wallr. ann.* 190. *t.* 3. *Agrdh syst.* 126. *Bruz. ch.* 10. 19. *Fries nov. I.* 57. *II.* 589, *Kaulf. l. l. t.* 1. *f.* 20-24. *Ch. hispida γ. crinita Wahlenb. succ. II.* 692. *Ch. galioides Petit in herb. Gay. Ch. canescens Lois. not.* 139. *pr. pr. Reichenb. l. l.* 1599. *excl. syn. Floerk. DC. gall. VI.* 246. *pr. pr. Ch. horridula Dethard. pr. pr.*

In stagnis salsis agri hal. v. c. Koelmensi ubertim. (*Wallr.*) (Habitu ex ramentorum ubertate, formis ramentaceis stirpium aliarum similis omnino, at physcumate sulcato nudo, nec vix nisi sordibus adhaerentibus nec transfusis spurco, hyalino s. stramineo sequaci plerumque subsimplici et valde protenso, ramentis fasciculatis porrectis acicularibus internodia et phys. lateralium basin obvallantibus, verticillis denis senisve remotis; clonario oblongo fere subcylindrico, tunica tenerrima obducto, sulcis s. striis dupliçatis subtilissimis notato, coronula acuta pertenui tecto, ramentis bracteiformibus duplo breviore, a reliquis affatim dignoscenda. Variat physcumatis proceritate digitali s. bicubitali et verticillis multo brevioribus, fere obsoletis. Ex synonymis meum vindico, reliquis certius rataque stirpis innixum diagnosi.)

1345. *Ch. vulgaris L.*, physcumate polysiphonio filari ramoso tenuiter contortoque costato, raro mundo, frequentius massa calcarea obducto vel quoque inter internodia suprema ramentaceo, a basi inde alia physcumata regulariter verticillata conformia pluries constricta ibique inter physcumata semiverticillata fertilia, clonario oviformi longiora articulata s. rarius continua inflata exserente.

unda, phys. rite comparato mundo inter verti-
premos saepius ramentis papillosis s. cylindricis
instructo. — *Ch. batrachosperma Thuill. par.*
DC. gall. II 586. *Pers. syn. II.* 530. *nec Weis.*
batrachosperma Agrdh syst. 126. *Ch. vulgaris*
ar Wahlenb. suec. II. 652.; *β. nuda Sm. brit. I.*
lexilis Spr. hal. 290. *excl. syn. Mart.* 17. *Ch.*
l Agrdh syst. 129. *pr. pr. Ch. diffusa Wallm.*
ljebl. Ch. vulgaris L. et auct. pr. pr. Hedw.
34. 35. *Ch. baltica β. glabrata Agrdh l. l.*

etida, phys. rite comparato undique massa cal-
amosa obducto, inter verticillos supremos nudo
taceo. — *Ch. vulgaris L. sp.* 1624., *ed. Willd.*
Wallr. ann. 179. *t. 1. f. 1. Wahlenb. suec.*
Pers. syn. II. 530. *Willd. act. I. Sm. brit. I.*
bot. t. 336. *Flor. dan. t.* 150. *Hoffm. germ. II.* 322.

nicularis, phys. rite comparato, nunc nudo, nunc
obsito eoque plerumque incrustato difformi fra-
, verticillorum physcumatibus internodio triplo
ous incurvis, nonnisi obsoletis, saepius sterilescen-
— *Ch. funicularis Thuill. par. l. l. Pers. l. l. Ch.*
γ. papillata Wallr. ann. 183. *excl. syn. Ch.*
montana et canescens auct. (*spec. ramentacea.*)

inflatum, phys. primario polysiphonio capillári
ex strictúris alia physcumata verticillata, praeter
m inferiorem nonnisi fertilem, difformia inflata
honia, dein complanata exserente. — *Ch. vulgo-*
grd. Ch. gracilis et scoparia Maerkl. in lit.
ipiens Desv. Ch. batrachosperma et globularis
d. gallic. Ch. foliosa Nolt. in herb. Mert. Ch.
Schleich. cat. 1807. *p.* 10. *Pers. l. l.* (*lusus ver-*
nagis approximatis, habitum caudatum mentiens.)
ermun. aquis, var. *α.* purioribus, *β.* in stagnan-
undat; *γ.* in leute fluentibus, *δ.* in scaturiginibus
ous passim intercurrunt. (Physcumata praeter
variam, aliis quoque rationibus fortuitis quidem
oum fideliter redeuntibus et ad formas modo l.
s, habitum varium adficiunt, prout superficies mun-

da (*var. α.*) perstiterit, s. tegmen calcareum induerit (*var. β.*), vel verticillorum physeumata obsoleta tantum et veluti extremis deficientibus mutila conglomerata fuerint (*var. γ.*), s. inter se difformia ex inflatione accedente semet informaverint.)

1346. *Ch. hispida L.*, physeumate polysiphonio subramoso, plerumque funiculari corticato crasso eoque contorto magis innocuo fragili, a basi inde alia physeumata regulariter verticillata producta, internodio ramentis sparsis confertisque reversis horrido breviora, pluries constricta ibique fertilia exserente, clonariis oviformibus, coronula in limbum ovatum obtusum patentem divisa tectis, ramenta semiverticillata subaequantibus. — *Chara hispida L. sp.* 1624., *ed. Willd. IV.* 185., *act. berol. t. t.* 87. *Pers. l. l. Sm. brit. I.* 5. *Hoffm. germ. II.* 185. *Wallr. ann.* 187. *t.* 4. *Wahlenb. succ. II.* 692. *excl. syn. omn. et var. praeter β. Agrdh syst.* 128. *Reichb. l. l.* 1598. *Bruz. ch.* 9. 20. *Engl. bot. t.* 463. *Flor. dan. t.* 154. — *Moris. hist. XV. t.* 4. *f.* 9. *Plukn. amalth. t.* 29. *f.* 4.

α. leptodermatina, phys. molis variae, plerumque tamen funiculari glebisque calcareis undique obsito ramentisque acicularibus obsesso, ob tubulos exteriores tenuiores sulcato, internodiis superioribus horrido-ramentaceis. — *Ch. hispida auct.*; *var. major Wallm. Ch. horridula auct. ipsiusq. Dethard. secundum spec. olim cum clonariis oviformibus data.*

β. pachydermatina, phys. crasso culmi secalini molem aequante corticato contorto, praeter internodia suprema plerumque innocuo. — *C. hispida Pers. Bisch. cr. t.* 1. *f.* 9.

γ. m. inflatum, phys. mole, longitudine et superficie vario, alia physeumata verticillorum, praeter articulos inferiores cum illo conformes difformia, s. monosiphonia inflata exserente.

α. balticum, verticillorum physeumatibus brevibus, praeter articulos inferiores 2–4, intra ramenta verticillata fertiles, in extremitates inflatas breves continuas mono-

...lutina L.), cryptarum (C. cryptarum Dillw.), (C. Acharii W. et M. Roth. Dillw.), Orthotrichi ...trichi Dillw.), Equiseti, nec alia *C. frigida ...* — *Lichenibus* a me tribuuntur: *Palmella bo...* ...ana hologanidia asyntheta (*cf. Naturg. I.* 308., ... I. 516.); *Nostoc commune Ag.* (*Thrombium* ... 295.) *Lichina confinis Ag.* (*Thr. glaciale p.* ...*Pulveraria Pers.* (*Epinyctis latebrarum* ...*bysoideum* et *Stigonema atrovirens* (*Par...* ...*W.*) *Fungarum* regnum dives intrant: ...*fenestrale*; *Mycinema fulvum, Pteridis,* ...*amoebula,* (*Plegmatia*); *Chroolepus* et ...*Ag. syst.* 36. *Symsellesia foliorum* et aliae ... *Amphibola* habeo vegetabilia, Algis tamen in...scripta: *Leptomitum, Hygrocrocin* et *Oscillarium.* ...hac vero alia restat cohors inter regnum ve... et animale quasi ambigens, quae a superis Al... ...audacius reddita s. adnexa, ordinis recepti ...corollarii loco, brevibus tractanda est.

Corollarium.

...GROPHYTOZOA W. *Saft-Pflanzenthiere.*

...*ulo* organica (*frustula Ag., granula Lyngb.,* ...*corpuscula Dub., fila Spr.*) hyalina virore vegeta... ...subacta et latice vegeto forsan foeta, habitu ...cum physcomate algarum conformiter configu... ...analoga, contexto obsolete-cellulose alieno ta... ...strata, striis articuliformibus minusque jugiter co... ...inscripta, inter se facillime secedentia, libera ...excepta, varias nonnisi satis pulchras figuras ...(*telamones.*)

...*diatomeae Agrdh. Algarum appendix inter* ...*et animalia ambigentia sentiens Dub. Algae* ...*Spr. syst.* (Ordo Sclerophytozois meis analogus.)

...*machina, telamonibus asynthetis compresso...* ...*s. planis, striis articuliformibus saepe inter...* ...*facile secedentibus, figura perquam variis.*

latifolia Reichb. l. l. 1601. *Schltd. ber. I.* 46. *Ch. latifolia Willd. l. l.* 299. *Ch. ceratophylla Hornem fl. dan t.* 1656. (*opt.*)

In lacubus majoribus; var. *α.* agri hal. in den Wansleber Doemeken abundat; m. *β.* im Tegler See agri berol. (*Willd., Schltd.*); ducat. megapol. am Tollensee (*Detharding, Roeppert*); im Schaalsee (*Mertens*) et aliis German. mediae locis passim. (Ramenta ramulos obsidentia et fines ramorum extremi (*m. β.*) monosiphones habitum planum in exsiccatis fingunt, ex quo fuco Ch. latifolia sensus incongruus ortus. Clonaria etiam in hoc plane non s. rarissime (*nuda, bracteis destituta, Schtd.*) occurrunt et monstri casum indicant. Rami pluries constricti ramentis aucti, habitum (*α*) alienum, foliosum, horridum et pinguem fingunt.)

NB. Charas modo traditas omnes, tum nostrates, tum quoque gallicas et suecicas in gazophylaciis Gayianis et Mertensianis ditissimis ad specimina auctorum rata digessi nec tamen desunt aliae omissae, ex quarum numero al. *Agardhio* (*praef. ad syst. p.* 28.): *Chara firma, collabens, pilifera, fallax laudatae. Ch. ulvoiden Berlol. Ch. Braunianam Gmel.; Ch. capillarem et botryoidem Krock.* aliis dijudicandas et explodendas relinquo.

Algae physeumatis natura Fungis perfectiores, propagationis apparatu omnino inferiores, centrum totius regni agamici occupant ideoque tum habitu externo tum partium singularum seorsim lustratarum examine ad alteram quamque spectant et revergunt quasi classem earumque similitudines adfinitatis consanguineae vinculis nexas adpellant. Variae hinc apud varios auctores in contentionem venerunt species, in systemate, ut ita dicam, veluti errabundae, ab *Agardhio* tamen huic classi subscriptae. *Muscorum* primordia pseudocotyledonaria prorsus sistunt: *Protonema Agrdh syst.* 43. (*Herpotrichum Fr.*) *repens, umbrosum* (*Conferva umbrosa Dillw. Roth*), *velutinum* (*Conf. varia Roth. C. velutina Dillw.*

1351. T. *striatulum W.*, telamonibus filaribus attenuatis compressis flaventibus, striis parallelis densis inscriptis, septis alternatim solutis. — *Fragilaria striatula Agrdh. syst. 7. Conferva striatula Jürg. alg. XI 47.*
Ad Polysiphoniam mac. septentr. (*Jürgens.*)

1352. T. *hyemale W.*, telamonibus attenuatis aureolatis, articulis diametro dimidio brevioribus irregularibus solutis fragilibus. — *Fragilaria hyemalis Agrdh syst. 7. Lyngb. hydr. t. 63.*
In fontibus gelidis agri halensis. (*Wallr.*)

137. MELOSIRA AG.

Telamones filares articulati ad genicula constricti fragilissimi interque se facile secedentes.

1353. M. *nummulina Ag.*, telamonibus filaribus inaequalibus globulos subcirculares moniliformi-seriatos continentibus, caespites ochraceos constituentibus. — *Melosira nummuloides Agrdh syst. 8. Gaillonella nummuloides Bory. Dub. gall. II. 989. Fragilaria nummuloides Lyngb. hydr. t. 63. Conferva moniliformis Jürg. alg. I. 7. excl. syn. C. nummuloides Engl. bot. t. 2587. nec Dillw.*
Ad culmos Poae maritimae in fossis insulae Norderney. (*Jürgens.*)

1354. M. *moniliformis Ag.*, telamonibus filaribus articulis ellipticis diametro sesquilongioribus linea transversali notatis interceptis, caespitem fuscescentem constituentibus. — *Melosira moniliformis Agrdh l. l. Conferva hyalina Roth germ. III. 537. Conf. moniliformis Müll. Wch. et M. Flor. dan. t. 1548. f. 1. nec Jürg.*
In similibus cum praeced. locis.

1355. M. *Jürgensii Ag.*, telamonibus fuscescentibus, geniculis contractis articulis, estriatis diametro sesquilongioribus. — *Agrdh syst. 9. Conferva lineata Jürg. alg. I. 10.*
In fossis salsamarinis insulae Norderney. (*Jürgens.*)

135. RHABDIUM W.

Telamones aciculares lineares s. cuneati muco obvoluti, in massam linearem complexi. (*Frustulia Agrdh. Echinellae sp. Lyngb.*)

1348. *Rh. obtusum W.*, telamonibus linearibus elongatis utrinque obtusis rectangulis massam subgelatinosam fusco-viridem difformem mentientibus. — *Frustulia obtusa Agrdh syst. I. Echinella obtusa Lyngb. hydr. t. 69. Jürg. alg. XIV. 10. Diatoma scalaris Gratel.*

Ad Vaucheriam dichotomam fossarum agri jeverens. (*Jürgens.*)

1349. *Rh. cuneatum W.*, telamonibus cuneatis minutissimis, mediotenus fascia flavente notatis, postice bidentatis, aggregatis. — *Frustulia cuneata Agrdh syst. 2. Echinella cuneata Lyngb. hydr. 70. Jürg. alg. XIX. 10*

Ad litora maris septentrion. Wormskioldiae Plocamio insidens. (*Jürgens.*)

136. TEMACHIUM W.

Telamones filares fragillimi bacillares striis transversis densis inscripti ibique sponte inaequaliterque secedentes. (*Fragilaria Ag. Lyngb.*)

1350. *T. pectinale W.*, telamonibus simplicibus planis rigidis strictis fragillimis, striis transversis parallelis diametro triplo brevioribus medio pellucidis inscriptis ibique scissilibus, caespitem lutescentem constituentibus. — *Fragilaria pectinalis Agrdh syst. 7. Lyngb. hydr. t. 63. Jürg. alg. XVI. 4. Nematoplata argentea Bory. Diatoma pectinalis Agrdh. Flor. dan. t. 1598. Conferva attenuata Mart. crl. 297. pr. pr. C. lucens Thore. C. bronchialis Roth cat. I. 186., germ. III. 520. C. clandestina Bory. C. pectinalis Müll. act. petr. Dillw. conf. t. 24. Engl. bot. t. 1611.*

Ad plantas aquaticas, v. c. prope Vegesack. (*Roth*), insular. mar. septentr. (*Jürgens.*)

[illegible] — [illegible] *Agrdh syst.* 5. Con-
[illegible] *Engl. bot. t.* 1762. *Jürg. alg.* X. 9.
[illegible] cum praeced. locis. (*Jürgens.*)

D. arcuatum Lyngb., telamonibus com-
[illegible] rigidis arcuatis diametro aequalibus, striis
[illegible] undique inscriptis. — *Diatoma*
[illegible] *Lyngb. hydroph. t.* 62. *Flor. dan. t.* 1598. *f.*
[illegible] *Agrdh syst.* 6. *D. rigidum DC. l. l.*
[illegible] *Jürg. alg.* XIX. 6. *vix differt.*
[illegible] maris septentrional.

D. fenestratum Lyngb., telamonibus pla-
[illegible] flavescentibus, articulis diametro quadruplo lon-
[illegible] centro fascia transversali notatis, demum solu-
[illegible] *Diatoma fenestratum Lyngb. hydroph. t.* 61.
[illegible] XII. v. *Agrdh syst.* 5.
[illegible] compressum maris septentr. (*Jürgens.*)

D. unipunctatum Ag., telamonibus trans-
[illegible] compressis frigillimis, articulis diametrum
[illegible] centro puncto rosaceo pellucido notatis.
[illegible] *unipunct. Agrdh l. l.* 6. *Achnanthes uni-*

138. DESMIDIUM AG.

Telamones filares transversim densissime striati mucosi flexiles virentes in articulos semisoluti, figuram pinnatifidam (tunc) veluti mentientes.

1356. *D. Swartzii Ag.*, telamonibus stria longitudinali viridi notatis, articulis bidentatis, post copulationem figuram pinnatifidam mentientibus. — *Desmidium Sw. Agrdh syst.* 9. *Conferva dissiliens Engl. bot. t.* 2464. *?Jürg. alg. XVI.* 6. *Diatoma Swartzii Ag. Sw. bot. t.* 491. *Lyngb. hydroph. t.* 61.

In aquis quietis agri jever. (*Jürgens.*)

139. DIATOMA DC.

Telamones articulati hyalini rigidi compressi dein in frustula angulata s. polymorpha, angulis alternis hinc cohaerentia secedentes.

† *hydrophila, aquarum dulcium.*

1357. *D. tenue Ag.*, telamonibus compressis intricatissimis laevibus non striatis utrinque dilatatis hyalinis, articulorum angulis alternatim cohaerentibus diametro triplo brevioribus. — *Diatoma tenue Agrdh syst.* 4. *Sw. bot. t.* 491. *?Lyngb. hydr. t.* 61. *D. vulgare Bory. Conferva flocculosa Fl. dan. t.* 1487.

In aquis quietis agri hal. passim.

1358. *D. flocculosum Ag.*, telamonibus compressis intricatissimis flexuosis, articulis diametro subaequalibus striatis, striis plurimis (5–10) parallelis longitudine aequalibus centrum non attingentibus duplicemque lineam verticalem veluti mentientibus. — *Diatoma flocculosum Agrdh syst.* 4. *Lyngb. hydroph. t.* 61. *Conferva flocculosa Roth cat. I. t.* 4. *f.* 4. *Dillw. conf. t.* 28. *Engl. bot. t.* 1761. *C. rhomboidalis Bory.*

In aquis stagnantibus Thuring. passim.

†† *halophilae, aquarum marinarum.*

1359. *D. marinum Lyngb.*, telamonibus compres-

1369. *E. Acharii Ag.*, telamonibus cylindricis. *Agrdh syst.* 15. *Echinella radiosa Ach.*
In lacubus Thuringiae.

142. MERIDION AG.

Telamones cuneati s. ovati in laminas planas aggregati, unico obvolati.

1370. *M. vernale Ag.*, telamonibus cuneatis, in semicirculum conjunctis unosamque flaventem ovato-clavatam duriusculam fluitantem constituentibus. — *Meridion vernale Agrdh syst.* 2. *Echinella olivacea Lyngb. hydr.* t. 78. *Jürg. alg. XVI.* 9. *Ulva olivacea Flor. dan. t.* 1429.
In fossis ad culmos putres.

143. ENCOELIUM AG.

Telamones compositi tubulosi punctati penicillisque distensi, tenuiter membranacei, reticulati.

1371. *E. echinatum Ag.*, telamonibus funicularibus subincrassatis s. inflatis continuis teretibus fuscis, undique verrucis atris papillosis, dein in penicillos diaphanos solutis obsitis. — *Encoelium echinatum Agrdh syst.* 301. *Asperococcus rugosus et bullosus Lamour. Dub. gall. II.* 956. *Ulva Turneri Mert. Jürg. alg. XIX.* 2. *Engl. bot. t.* 2578. *U. rugosa DC. gall. II.* 8. nec *Linn. Gastridium Opuntia Lyngb. hydr. t.* 18.
Ad litora ins. Norderney ad Fucum nodosum. (*Jürgens.*) [Rationem vegetabilem fabrica renuit, quod cum *Analyseomene* genere, melius hac militare videtur.] (Caeteri, *Gloiosoma* v. c. *Agardhio* auctore, gelatina filiformi tenuis corpusculis ellipticis longitudinaliter seriatis fortis insigne, et *Alcyonidium*, *Agardhio* monente, fronde [illegible] lobata granulis repleta, distinctum, [illegible] *Flor. dan. t.* 1245. *Jürg. alg. III.* 3.), [illegible] *Spr.* ipsumque *Codium*, ab auctoribus [illegible] dum haec jam nimis amphibola videntur.]

tatis. — *Diatoma obliquatum Agrdh syst.* 6. *Lyngb. droph. t.* 62. *Jürg. alg. XIII.* 7. *Conferva obliq Engl. bot. t.* 1889.
Ad litora insulae Norderney. (*Jürgens.*)

1365. *D. Lyngbyei Ag.*, telamonibus simplic intricatissimis latescentibus, articulis diametro triplo gioribus. *Agrdh syst.* 4. *Diatoma tenue β. mari Lyngb. t.* 61. *Jürg. alg. XIV.* 9.
In praecedentis consortio. (*Jürgens.*)

1366. *fasciculatum Ag.*, telamonibus simpli linearibus aggregatis strictis rigidis fastigiatis, e communi radiatim exeuntibus. — *Diatoma fasciculi Agrdh. Sw. bot. t.* 491., *syst.* 3. *Echinella fascic Jürg. alg. XI.* 8. *excl. syn.*
Ad litora maris septentr. (*Jürgens.*)

140. ACHNANTHES BORY.

Telamones plani simplices articulati subquadrati, ticulis linearibus incurvis 1-6 cohaerentibus obtusis, in basin productis stipitiformem, vexilliformes.

1367. *A. brevipes Ag.*, articulis bipunctatis, stipitiformi brevissima. *Ach. syst.* 1. *Achn. adnata, bia et bacillarioides Bory. Echinella stipitata Ly hydr. t.* 70. *Jürg. alg. XIII.* 8.
Ad litora insul. Frisiae. (*Jürgens.*)

1368. *A. longipes Ag.*, articulis unipunctatis, stipitiformi productiore. *Agrdh syst.* 1. *Diatoma xillum Jürg. alg. VI.* 6. *Conferva stipitata Engl. t.* 2488. *C. armillaris Müll. act. holm.* 1783. *t.* 3.
Ad litora insul. Wangeroge. (*Jürgens.*)

B. placunthia, telamonibus compositis, synti varie figuratam constituentibus.

141. ECHINELLA ACH.

Gelatina subglobosa hyalina, telamonibus ellipticis diantibus farcta. *Agrdh nec alior.*

1369. *E. Acharii Ag.*, telamonibus cyliadricis. rdh *syst.* 15. *Echinella radiosa Ach.*
In lacubus Thuringiae.

142. MERIDION AG.

Telamones cuneati s. ovati in laminas planas aggre-i, muco obvoluti.

1370. *M. vernale Ag.*, telamonibus cuneatis, in se-circulum conjunctis massamque flaventem ovato-clava-a duriusculam fluitantem constituentibus. — *Meridion nale Agrdh syst.* 2. *Echinella olivacea Lyngb. hydr.* 0. *Jürg. alg. XVI.* 9. *Ulva olivacea Flor. dan. t.* 1429.
In fossis ad culmos putres.

143. ENCOELIUM AG.

Telamones compositi tubulosi punctati penicillisque esi, tenuiter membranacei, reticulati.

1371. *E. echinatum Ag.*, telamonibus funiculari-subincrassatis s. inflatis continuis teretibus fuscis, nu-ue verrucis atris papillosis, dein in penicillos diapha-solutis obsitis. — *Encoelium echinatum Agrdh syst.* . *Asperococcus rugosus et bullosus Lamour. Dub.* l. *II.* 956. *Ulva Turneri Mert. Jürg. alg. XIX.* 2. *gl. bot. t.* 2570. *U. rugosa DC. gall. II.* 8. *nec Linn. stridium Opuntia Lyngb. hydr. t.* 18.
Ad litora ins. Norderney ad Fucum nodosum. (*Jür-s.*) (Naturam vegetabilem fabrica rennit, quod cum *adynomene* genere, melius huc militare videtur.) (Cae-a, *Gloionema* v. c. *Agardhio* auctore, gelatina filifor-tenaci corpusculis ellipticis longitudinaliter seriatis cta insigne, et *Alcyonidium*, *Agardhio* monente, fronde ngiosa succosa lobata granulis repleta, distinctum, *va diaphana Flor. dan. t.* 1245. *Jürg. alg. III.* 3.), *diagam Schwab. Spr.* ipsumque *Codium*, ab auctoribus ptum relinquo, dum haec jam nimis amphibola vi-ntur.)

Classis VI.

FUNGI L. *Schwämme.*

(*Mycetes Spr.*)

Vegetabilia simplicissima, multiformia, tum a classium praecedentium natalitiis, fabrica et morphosi alienigena, tum inter se iisdem plane rationibus ipsoque habitu ordinum singulorum perquam vario haud mediocriter desciscentia, ex Naturae, rudem inconditamque materiem ad fibram qualemcunque vegetabilem informandam addiscentis, machinatione audaciore, contextus simplicissimi synthesinve laxam constipantis ope ad typum mycetoideum, vix nisi clanculo ultimas classes appellantem, rite exarata concineque saepius figurata, neque vitae et locorum natalium conditione vel morphoseos ratione, figurae et colorum amoenitate, neque etiam virore vegeto, herbaceis illis oculorum lactitiis, neque ectypo vegetabili et odore sueto sed proprio illo mucido et mycetoideo inclarescentia, plurima vilia omnino habitu ac abjecta, quaedam satis speciosa, eaque neque ab usu domestico (*μυκήτης βρώσιμοι Diosc.*) neque a noxarum suspicione (*μ. φθάρτικοι Diosc.*) aliena, omnia vero ordine partium concentuque magnifica, scotophila, a sole et aqua refugientia nec ex hac denuo reviviscentia, fermentationis acetosae et vinosae vel putredinis ineuntis pedisequa, iisque faventibus sive ex mutua cubilium cum Natura genetrice relatione jam sponte quasi propullulantia, jam ex mycelio, pseudocotyledonum analogo, Jove pluvio s. udore tepido auctumnali intrantibus nascentia, partes elementares globulosas et filamentoso-arachnoideas ad stroma asynthetum s. syntheticum, particularum propagationi inservientium apparatum varium (*sporidia et asci auct., farina fungorum*

L.) nudum s. diversimode reconditum illico parans concinnantia. ***Stroma***, cormi pars analoga, (*stroma et thallus Lk.*) mere-simpliciter-laxeque cellulosum partiumque elementarium et propagationi inservientium, illico succrescentium connubium ad morphosin typicam informandam adhibens, vel ex ipsis cubilibus inde mutatis mutuans totidemque cum singulis deflexibus ordines perpetrans, nunc videlicet ex cellulis meris compositum (*pseudostroma*) et partibus quibuscunque propagationem spondentibus, saltem non perspicuis destitutum (*Asporomycetes*), nunc ex cubilibus penitius inversis (*pseudosporidochium*), vel ex substantia propria in conceptaculi distincti figuram concinnatum (*sporidochium*) sporidiisque liberis nec adminiculis alienis sustentatis foetum (*Sporomycetes*), nunc ex cellulis fistulosis arachnoideis simplicibus constipatisve plerumque hyalinis (*hypha*), varie dispositis conflatum (*hyphasma*) similibusque particulis, aliter tamen figuratis, magis minusve jugiter appensis instructum (*Hymenomycetes*), nunc ex massa fluxa amorpha ocius exarescens vasculorumque adnatorum s. tornatorum saepius stipitatorum instar emergens (*peridium*) sporidiisque illico in farcimen pulveraceum, floccis stuposis appensis foetum (*Myxomycetes*), nunc vero in tuberculorum verruciformium membranaceorum s. carnosorum diversimode et cum ordine quodam reclusorum, sive cubilibus ipsis sive strato proprio innatorum figurum exaratum (*perithecium*), nucleo sporuligero vario, primum pulposo dein saepius ex poro promanante s. ex ore recluso projecto foetum eoque emisso vacuum omnino (*Pyrenomycetes*), nunc denique veluti strata satis varie, at cum typo mycetoideo congruenter figurata (*stroma proprie sic dictum*), sive pulposa nonnisi amorpha (*collestromatici*), sive cyathiformia (*cyathostromatici*), sive elongata, in clavae, arbusculae, phalli mitrulaeve figuram concinnata (*corynestromatici*), sive magis dilatata inque pileum rotundatum dimidiatumque, lamellis subtus, poris dentibusque instructum (*pilostromatici*) ibique membranula distincta ascophora (*hymenium*) s. ascis linearibus

144. ERINEUM PERS. *Blattfaser.*

Rhabdi (*flocci Lk., Kz., fibrae Mart., filamenta Dub.*) simplicissimi continui cylindrici diaphani tenuiter membranacei obscure cellulosi, inter figuram clavatam, turbinatam et filarem varii, massa grumosa (cum sporidiis forsan analoga sive ad latera (pilorum instar) coacta sive diffusa) faroti eaque excussa hyalini utriculares, in areas caespitosas congesti.

(*Phyllerium. Taphria et Erineum Fr. obs. Erineum Pers. Kunze in mykol. Heft. II.* 133-176. *Schlechtendal: die Gattung Erineum, in Denckschrift der Regensb. bot. Gesellsch. Tom. III. et seorsim impress. Ratisb.* 1821.) *Grevill. in edinburg. Journ. XI.* 71.

† *taphria, rhabdis granuliformibus, minutie et figura ovoidea desciscentibus, aream mellitam serico veluti obductam perficientibus.* — Partium mellitarum et resinacearum transfigurationes mycetoideae.

1372. *E. aureum Pers.*, hypo-, rarius epigenum, rhabdis simplicissimis minutissimis ovato-clavatis pallide-flaventibus areolam circumscriptam impressam, hinc bullatim prominulam occupantibus faciemque tenuiter velutinam aureo-flaventem mentientibus. — *Taphria populina Fr. obs. I.* 217. *t.* 8. *f.* 3. *Erineum populinum Schum. E. aureum Pers. syn.* 700., *mycol. I.* 8. *Kunz. l. l.* 133. *Dub. gall. II.* 913. *DC. gall. VI.* 14. *Grev. l. l., crypt. t.* 13. *Alb. et Schw. nisk.* 371. — *Malpigh. de excrem. et tumor. t.* 22. *f.* 78.

Ad utramque Populi tremulae foliorum faciem, frequentius tamen inferiorem, vulgare. Aestate.

1373. *E. gryseum Pers.*, hypogenum, rhabdis microscopicis e figura subglobosa clavatis numerosissimis pallide rubentibus dein expallentibus, aream impressam latescenti-rotundatam constipantibus faciemque sericeam mentientibus. — *Erineum griseum Pers. mycol. I.* 8. *excl. syn. Kunz. l. l.* 115. *Dub. gall. II.* 912. *E. minutissimum Grev. l. l.* 81. *Taphria quercina Schmidt in lit.*

rilia spondentia, nunc globulorum morphosi praevalente fere solum ex cellularum, parenchyma cubilium, quadantenus referentium et immutatarum congerie homogene constipata, vel sub corpusculorum figuratorum magis forma subeuntia (*pseudostroma*), colore vario saepius stygio insignia, nunc morphosi fibrarum s. fistularum praevalente ex filis arachnoideis fistulosis simplicibus omnino, sive corticem circumducentibus continuis s. disseptis (*rhabdi*) composita, praeter sporangiorum rudimenta, sporidiis veris saltem discretis et propagationi inservientibus egena s. aspora plane vel partes solum analogas (*appendices sporomorphas*) proferentia.

(*Hyphomycetes trichoidei et membranacei Lk. syst. Mucedines asporae Lk. ord. Hyphomycetes phylleriaceae et hymenotrichi Fr. Inomycetes terrestres Nees. Trichomyci et Byssi fibrillaeformes Pers. myc. Fungi gymnocarpi filamentosi DC. F. nematothecii byssoidei Pers. syn. Hymenomycetes sclerotiacei Fr. Lycoperdaceae sclerotieae Dub.* —) (Ordo dubius ob partium sporomorpharum defectum, aliorum vegetabilium forsan primordia s. monstra, ex nisu vegetationis inverso succrescentia habitumque proprium fideliter concinnantia.)

A. gongromorphi, rhabdis fistulosis epiphyllinis s. pseudostromatibus compactis epiphloeodeis, cellularum et parenchymatis vegetabilium perfectiorum veluti excrementis (οἱ γόγγροι), sub forma typica varie succrescentibus habitumque pro varia configurationis globulosae s. fistulosae ratione diversissimum concinnantibus. — Vegetationis mycetoideae symbola elementaria.

⊛ *trichomorphi, (trichomata), rhabdis epiphyllinis fistulosis continuis, figura et colore variis, intus massa grumosa farctis eaque absorpta hyalinis, ex foliorum vivorum epidermide male succrescentibus.* (*Hyphomycetes phylleriaceae Fr. Mucedineae phylleriaceae Dub.* — Status morbosi vestitus plantarum, *Fr. myc.* Foliorum veluti excrementa, nec tamen a typo proprio aliena.

144. ERINEUM PERS. *Blattfaser.*

Rhabdi (*flocci Lk., Kz., fibrae Mart., filamenta Dub.*) simplicissimi continui cylindrici diaphani tenuiter membranacei obscure cellulosi, inter figuram clavatam, turbinatam et filarem varii, massa grumosa (cum sporidiis forsan analoga sive ad latera (pilorum instar) coacta sive diffusa) farcti eaque excussa hyalini utriculares, in areas caespitosas congesti.

(*Phyllerium. Taphria et Erineum Fr. obs. Erineum Pers. Kunze in mykol. Heft. II.* 133-176. *Schlechtendal: die Gattung Erineum, in Denckschrift der Regensb. bot. Gesellsch. Tom. III. et seorsim impress. Ratisb.* 1821.) *Grevill. in edinburg. Journ. XI.* 71.

† *taphria, rhabdis granuliformibus, minutie et figura ovoidea desciscentibus, aream mellitam serico veluti obductam perficientibus.* — Partium mellitarum et resinacearum transfigurationes mycetoideae.

1372. *E. aureum Pers.*, hypo-, rarius epigenum, rhabdis simplicissimis minutissimis ovato-clavatis pallide-flaventibus areolam circumscriptam impressam, hinc bullatim prominulam occupantibus faciemque tenuiter velutinam aureo-flaventem mentientibus. — *Taphria populina Fr. obs. I.* 217. *t.* 8. *f.* 3. *Erineum populinum Schum. E. aureum Pers. syn.* 700., *mycol. I.* 8. *Kunz. l. l.* 133. *Dub. gall. II.* 913. *DC. gall. VI.* 14. *Grev. l. l., crypt. t.* 13. *Alb. et Schw. nisk.* 371. — *Malpigh. de excrem. et tumor. t.* 22. *f.* 78.

Ad utramque Populi tremulae foliorum faciem, frequentius tamen inferiorem, vulgare. Aestate.

1373. *E. gryseum Pers.*, hypogenum, rhabdis microscopicis e figura subglobosa clavatis numerosissimis pallide rubentibus dein expallentibus, aream impressam latescenti-rotundatam constipantibus faciemque sericeam mentientibus. — *Erineum griseum Pers. mycol. I.* 8. *excl. syn. Kunz. l. l.* 115. *Dub. gall. II.* 912. *E. minutissimum Grev. l. l.* 81. *Taphria quercina Schmidt in lit.*

Ad foliorum Quercus faciem inferiorem rarius, praesertim in German. australis tractibus.

1374. *E. badium Kunz.*, hypogenum, rhabdis minutissimis oviformi-clavatis, aream subaequalem pustulaeformem subgrumosam badiam occupantibus. *Erineum badium Kunz. l. l.* 135. *Taphria alnea Schmidt in lit.*

Ad foliorum Alni glutinosae paginam inferiorem, v. c. Lusatiae super. (*Schmidt.*)

†† *grumaria, rhabdis abbreviatis difformibus magisque depressis et a figura filari alienis, capitato-clavatis, aream grumosam mentientibus.* (*Rubigo Lk. Mart. Fr. nec priscor.* — Cellularum deformationes.

1375. *E. Oxyacanthae Pers.*, amphigenum, rhabdis brevissimis ovato-capitatis subclavatis, primum sparsis pallidis, dein confertis integramque folii faciem obliterantibus, fuscescentibus. — *Erineum clandestinum Grev. l. l.* 76. *t.* 2., *crypt.* 141. *f.* 2. *Kunz. l. l.* 144. *Dub. gall.* 912. *E. oxyacanthae Pers. mycol. I.* 7.

Ad utramque foliorum Crataegi Oxyacanthae et monogynae faciem passim.

1376. *E. nervisequum Kunz.*, epigenum, rhabdis tenuibus clavaeformibus pallide-roseis, vittas lineares superficiales cum nervis faciei superioris utrinque parallelas s. nervisequas farinaceo-grumosas tenues demum pallidas constituentibus. — *Erineum nervisequum Kunz. l. l.* 143. *Link sp. II.* 159. *Pers. mycol. I.* 7. *Dub. gall. II.* 912.

Ad foliorum Fagi sylvaticae juniorum paginam superiorem, v. c. Lusatiae super. (*Schmidt*), Thuring. et Hercyn. infer. et aliis locis passim, primo vere.

1377. *E. Padi Duv.*, hypophyllum, rhabdis effusis superficialibus dense grumosis, primum ex albido rubellis, dein aurantiacis, demum spadiceo-umbrinis, irregulariter cyathiformibus. *Erineum Padi Duv. Rebent. ind.*

berol. 39. *Kunz. l. l.* 144. *Schltd. crin.* 93. *E. padineum Fr. obs. I.* 322. *Rubigo Padi Mart. erl.* 348.

Ad Pruni Padi foliorum paginam inferior. passim. Aestate.

1378. *E. purpurascens Gaertn.*, hypogenum, rhabdis infundibuliformibus, primum pallidis, areas subimmersas circumscriptas occupantibus, dein confluentibus rufescenti-tabacinis omnemque paginam obliterantibus. — *Erineum purpurascens Gaertn. in Rochl. germ. II.* 357. *Kunz. l. l.* 137. *Link sp. II.* 161. *Dub. gall. II.* 912. *E. agariciforme Grev. l. l.* 80. *t.* 3. *f.* 14. *E. acerinum Schum. Rebent. DC. Schltd. nec Pers. Rubigo acerina Link obs. I.* 22. *f.* 36. *Mart. erl.* 348.

Ad Aceris campestris et platanoidis foliorum faciem aversam satis frequens.

1379. *E. fagineum Pers.*, hypogenum, rhabdis difformibus turbinato-clavatis, primum albidis in areas ovato-subrotundas parce immersas digestis, dein confluentibus ferrugineo-spadiceis spatiumque internervium contractum obliterantibus. — *Erineum fagineum Pers. obs. II.* 102., *syn.* 700., *mycol. I.* 8. *Kunz. l. l.* 141. *Link sp. II.* 158. *Grev. l. l. t.* 3. *f.* 10., *crypt. t.* 250. *f.* 1. *DC. gall. II.* 592. *cum var. pallida et purpurea, Fago sylv. purpureae propria. Rubigo fagínea Nees syst.* 64. *t.* 5. *f.* 10. *Mart. l. l. Erineum lacteum Fr. obs. II.* 371.

Ad foliorum Fagorum nostratium paginam inferiorem, primo vere minime rarum.

1380. *E. alneum Pers.*, hypogenum, rhabdis primum simplicibus albidis dein subdivis, apicem versus tubercula capituliformia sustinentibus, in basin brevem crassiusculam tenuatis, areas irregulares confluentes internervias parce immersas praestantibus. — *Erineum alneum Pers. syn.* 701., *mycol. I.* 7. *Kunz. l. l.* 146. *Link sp. II.* 157. *Fr. obs. I.* 223. *Grev. l. l.* 77. *t.* 2. *f.* 7.; *crypt. t.* 157. *f.* 2. *Dub. gall.* 911. *Rubigo alnea Link obs. I.* 22. *Nees syst.* 64. *f.* 63. *B. Mart. erl.* 348. *Mucor ferrugineus Bull. herb. t.* 514. *excl. syn.*

Ad foliorum Alni glutinosae faciem aversam auctumno vulgare, pro varia aetate tamen habitum et colorem varium induens.

1381. *E. platanoidis Fr.*, hypogenum, rhabdis globoso-cyathiformibus cupulatisve in basin stipitiformem brevem tenuatis, primum pallidis dein rufescentibus demum nitido-spadiceis, in areas axillares internerviasque tenues aequales demum effusas digestis. — *Erineum platanoidis Spr. syst. IV.* 560. *E. platanoideum Fr. obs. I.* 224. *Kunz. l. l.* 139. *Dub. gall. II.* 911. *Link sp. II.* 156. *E. curtum Grev. l. l.* 80. *t.* 3. *f.* 3.

Ad foliorum Aceris platanoidis faciem inferiorem passim.

1382. *E. betulinum Schum.*, hypogenum, rhabdis difformibus clavatis turbinatis infundibuliformibusque, nonnisi subbicornibus, primum albidis dein ferrugineis, in basin stipitiformem productis, areas maculaeformes dispersas informantibus. — *Erineum betulinum Schum. saell. II.* 445. *Kunz. l. l.* 149. *Dub. gall. II.* 911. *Fr. obs. I.* 221. *Link sp. II.* 155. *Grev. l. l.* 79. *t.* 3. *f.* 16. *nec DC. et alior. Rubigo betulina Link obs. I.* 22.

Ad Betulae albae paginam inferiorem haud adeo rarum. Aestate.

1383. *E. roseum Schultz*, epigenum, rhabdis difformibus, e basi stipitiformi brevi clavatis apice depressis discum truncato-scutellarem s. subinfundibuliformem recludentibus, primum roseis dein fusco-purpureis, pulvinos grumosos elevatos sparsos effusos praestantibus. — *Erineum roseum Schultz starg.* 506. *Schltd. crin.* 21. *Kunz. l. l.* 150. *Link sp. II.* 155. *Dub. gall. II.* 911. *E. purpureum Fr. obs. I.* 221. *E. betulinum Alb. et Schw. misk.* 370. *et alior. E. Betulae DC. gall. VI.* 14. *Grev. l. l.* 77. *t.* 3. *f.* 9., *crypt. t.* 21. *Rubigo rosea Link obs. I.* 20.

Ad folia Betulae fruticosae epigenum minime rarum.

1384. ***E. populinum Pers.***, amphigenum, rhabdis obesis difformibus opacis, e basi stipitiformi crassa capitulum irregulare eroso-crenulatum sustinentibus, primum pallidis sparsis superficialibus effusis dein rufescenti-spadiceis congestis, aream maculaeformem saccatam hinc bullatam informantibus. — *Erineum populinum Pers. obs. I.* 100., *syn.* 700., *mycol. I.* 7. *Kunz. l. l.* 147. *Link sp. II.* 157. *Grev. l. l. t.* 3. *f.* 11., *crypt. t.* 250. *f.* 2. *Dub. gall. II.* 911. *E. aureum Schum. Rubigo populina Mart. crl.* 348.

Ad Populi tremulae folia amphigenum, nonnisi tamen etiam epigenum, minime rarum.

††† *phylleria, rhabdis filiformibus fistulosis simplicibus productioribus magisque tortis, pulvinulos piliformes mentientibus.* (*Phyllerium Fr. l. l.*) Pilorum configurationes mycetoideae.

1385. ***E. salicinum W.***, hypogenum, rhabdis subsolitariis rectis cylindricis capillaribus fistulosis, e basi sensim in apicem acuminatum tenuatis simplicissimis utrinque stria saturatiore lineatis ferrugineis demum hyalinis, dispersis, faciem parce pilosam mentientibus. — *Erineum salicinum Wallr. in lit.*

Ad folia Salicis babylonicae hort. berolin. hypogenum. (Satis singulare ob rhabdos undique dispersos nec ad aream congestos. Comparandum cum Dematio salicino *Pers. syn.* 699.)

1386. ***E. tiliaceum Pers.***, amphigenum, rhabdis fistulosis cylindricis conformibus apice recurvatis obtusis pallidis demum roseis fuscescentibusque, in pulvinos undique dispersos depressos s. nervisequos jugiter condensatis.

α. sparsum, pulvinulis sparsis. — *Erineum tiliaceum Pers. obs. I.* 25., *syn.* 700., *mycol. I.* 3. *Kunz. l. l.* 153. *Link sp. II.* 146. *Nees syst.* 63. *f.* 62. *Mart. crl.* 346. *Grev. l. l. t.* 3. *f.* 11. *Dub. gall. II.* 909. *Phyllerium tiliaceum Fr. obs. I.* 219.

β. nervisequum, pulvinulis nervisequis. — *Erineum nervale Kunz. l. l.* 154.

Ad Tiliarum nostratium amphigenum, tum sparsum, tum nervisequum vulgare.

1387. *E. ilicinum DC.*, hypogenum, rhabdis filiformibus tortis apice tenuatis, primum albidis dein fusco-spadiceis in pulvinos convexiusculos rotundos, aversam folii partem bullatim elevantes congestis. — *Erineum ilicinum DC. gall. VI.* 14. *Grev. l. l. t.* 2. *f.* 5. *Pers. mycol. I.* 4. *Kunz. l. l.* 160. *Link sp. II.* 148. *Phyllerium dryinum Schltd. crin.* 13.

Ad folia Quercus Ilicis hypogenum, maxime in German. austral., nec non vero in hort. berolin. cultarum.

1388. *E. purpureum DC.*, amphigenum, rhabdis cylindricis tortuosis intricatis apice obtusiusculis attenuatisve, primum ex albido-roseis dein purpurascentibus diaphanis, areas maculares superficiales circumscriptas praestantibus. — *Erineum purpureum DC. gall. VI.* 15. *Kunz. l. l.* 159. *Dub. gall. II.* 910. *E. semidophilum Schltd. crin.* 18.

Ad Betulae albae et ovatae epigenum vel amphigenum, rarius.

1389. *E. Pseudo-Platani Kunz.*, hypogenum, rhabdis cylindrico-clavatis flexuosis intricatis, primum albis dein spadiceo-umbrinis, areas circumscriptas immersas intertextas perficientibus. — *Erineum Pseudo-Platani Kunz. l. l.* 165. *Pers. mycol. I.* 5. *Link sp. II.* 150. *Dub. gall. II.* 910. *E. acerinum DC. gall. Grev. l. l.* 78. *t.* 2. *f.* 8. *Phyllerium Pseudo-Platani auct. Ph. sphendamnium Schltd. crin.* 28.

Ad folia Aceris Pseudo-Platani hypogenum, ubertim.

1390. *E. acerinum Pers.*, amphigenum, rhabdis cylindricis intricatis apice subaduncis, primum albo-cinerascentibus demum rubiginosis, pulvinos effusos crassos subimmersos dense contextos constituentibus. — *Erineum acerinum Pers. syn.* 700., *mycol. I.* 6. *Link sp. II.* 150.

Kunz. l. l. 163. *Dub. gall. II.* 910. *E. platanoides Pers. mycol. I.* 5. *Phyllerium acerinum Fr. obs. I.* 218. *Schltd. crin.* 17. *nec DC.*

Ad folia Aceris platanoidis et Pseudo-Platani amphigenum, minime rarum.

1391. *E. pyrinum Pers.*, amphigenum, rhabdis flexuoso-tortuosis utrinque aequalibus obtusis, diaphanis superficialibus interneurviis, primum pallide-rubentibus cylindricis, demum ligamentosis spadiceo-ferrugineis, nonnisi integram paginam obliterantibus. — *Erineum pyrinum Pers. syn.* 700., *mycol. I.* 4. *Link sp. II.* 149. *Mart. crl.* 347. *Kunz. l. l.* 156. *Grev. crypt. t.* 5. *f.* 2. *E. malinum DC. encycl. Phyllerium pyrinum Fr. obs. I.* 219. *Schltd. crin.* 15.

Ad folia Pyri Mali sylvestris s. Mali acerbae *Mer.* hypogenum, rarius epigenum.

1392. *E. Sorbi Kunz.*, amphigenum, rhabdis cylindricis, e basi tenuata sensim in apicem falcatum obtusum desinentibus, primum dilute-roseis dein fulvo-ferrugineis nitidis, in areas effusas superficiales digestis. — *Erineum Sorbi Kunz. l. l.* 159. *Link sp. II.* 154. *Grev. cr. t.* 263. *f.* 1. E. *sorbeum Pers. mycol. I.* 4. *excl. syn. Fr. Dub. gall. II.* 911.

Ad utramque foliorum Sorbi Aucupariae paginam passim.

1393. *E. Vitis Duv.*, hypogenum, rhabdis cylindricis protensis subsimplicibus flaccidis, apice obtusis, palvinos circumscriptos, aversam folii partem bullatim elevantes, dein confluentes praestantibus, primum dilute roseis dein fuscis denique spadiceo-ferrugineis iisque non nisi alternatim compressis, veluti articulato-septatis. *Erineum Vitis Duv. in DC. gall. II.* 74. *Mart. crl.* 346. *Grev. l. l.* 71. *t.* 2. *f.* 3. *Kunz. l. l.* 161. *Link II.* 151. *Pers. mycol. I.* 4. *Phyllerium Vitis Fr. obs.* 219. *Schltd. l. l.* 19.

Ad Vitis viniferae sylvestris folia hypogenum, rarissime epigenum. (Color pro aetate varius; rhabdi stricturae transitum ad Plegmatium edunt.)

[illegible] *Grev. l. l.* 75. *t.* 2. *f.* 4. *E. juglan-* [illegible] *Fr. obs. I.* 218. *Schltd. crin.* 12.

[illegible] Juglandis regiae hypogenum, variis German. [illegible] locis, minime rarum. (Rhabdi, pilis axillas [illegible] e natura obsidentibus satis similes, nec habi- [illegible] et fabrica interna ab illis plane diversi, mire [illegible] itaque constipati, ut parenchyma folii ob- [illegible] spatiumque internervium transversim occupare [illegible] subquadratos elevatos formare videantur. [illegible] ita sit quamque pilorum transfiguratio in his [illegible] formandis plane non denegari possit, aliae ejus- [illegible] species: *Erineum v. c. coryleum Pers. my-* [illegible] 2.; *E. Rubi Fr. obs. II.* 371.; *E. Rhamni Pers.* [illegible] *Phyllerium Gei Fr. l. l. E. mespilinum DC., E.* [illegible] *Pers.* et *E. atriplicinum Nestl.*, rhabdis sep- [illegible] obtusis albidis, in caespites limitatos (in [illegible]) hypogenos insigne, in contentionem [illegible] sigillatim enumerantur. Forsan radicularum [illegible] informatio ad muscorum surculos, eundem [illegible] ac Erinea hypophylla et *Erinei bryo-* [illegible] defendunt (*Dematium muscorum Schleich.* [illegible] *II.* 133. *Byssus muscorum Borg in Uster.* [illegible] *XVIII.* 111.) Analoga est quoque blastema-

anom. 10. *t.* 11. *f.* 1.); 2) *mammillatum*, embryodochio depresso supra mammillato, pilis brevibus sparsis pallidis hirsutiusculo; et 3) nitidissimum illud *comtum*, embryodochio tornato hemisphaerico praeter verticem umbilicato-depressum, pilis deflexis arcte adpressis aureonitentibus s. ferrugineis undique vestito, entomologis, ut suis reddant, mycologis vero, ut ex nostris eventilent commendatum velim.)

⊙⊙ *gomphomorphi, (sarcomata), cellulis herbarum vegetarum s. languescentium, epidermidis pelliculam s. ipsum parenchyma partium quarumcunque constituentibus, huc illuc ve, locis tamen distinctis, male succrescentibus iisque penitius inversis et multiplicatis, nunc maculas adnatas amorphas, nunc tuberacula placentaria sessilia primum saepius hypophloeodea, nunc denique corpuscula graniformia a figura sphaerica ad bacillarem varia, parenchymate carnoso obscure-celluloso, demum conformi, extus decolore, veluti stromate figurato (pseudo-stroma) insignia informantibus, a sporidiorum secretione omnino deficientibus.*

(*Gasteromyci solidi Lk. obs. Tuberaceorum genera Pers. fung. Gasteromycetum genera infima s. Xylomacei aspori Fr. syst. Sclerotiaceae Fr. et Dub. pr. pr. Vegetabilium fungosorum prototypi Nees syst.* 146.) Vegetabilia satis paradoxa, epi- et entophyta? sponte ex aliis plantis languentibus, cum figuratione quadam typica succrescentia, cellularum globosarum veluti transfigurationes mycetoideae et hymenomycetum prototypi.

145. LEPTOSTROMA FR. *Stengelschild.*

Pseudostroma innatum dimidiatum maculare s. placentare clausum laeve, summam cubilium vegetorum pelliculam constipans cellulisque discoloribus ex vegetatione inversa succrescentibus farctum, demum saepius integrum, ab epidermide laesa secedens, sporidiis veris destitutum.

(*Leptostroma Fr. obs. Dub. Spr. nec Ehrenb. Schi-*

xoderma Ehrenb. Sclerotia xylomata Fr. pr. pr. (Parenchymatis vitia ejusque veluti calli, vegetabilium epiphytorum exiguorum, cum *Ectostromate* genere (*Fr. syst. II.* 602.) nimis vago ac paradoxo, typum elementarem aliorum forsan praestantium, titulo inclarescentia.)

1395. *L. punctiforme W.*, pseudostromate exiguo punctiformi nigro opaco innato sparso arcte adhaerente, cum cubilibus adaequato.

Ad foliorum vegetorum, Salicis v. c. Capreae, Euphorbiae Cyparisseos, Rosae majalis, Buxi sempervirentis aliarumque faciem aversam.

1396. *L. sphaeroides Fr.*, pseudostromate exiguo tenui orbiculari laevi convexiusculo atro, demum a cubilibus secedente. *Leptostroma sphaeroides Fr. syst. II.* 600. *Xyloma sphaeroides Schwein.*

Ad caules herbarum elatiorum.

1397. *L. hysterioides Fr.*, pseudostromate oblongo nigro vario, vertice tumidulo substriato. *Leptostroma hysterioides Fr. l. l.*

Ad caules herbarum, Paeoniae v. c., passim.

1398. *L. maculare W.*, pseudostromate innato subrotundo s. oblongo, demum confluente convexiusculo fusco-nigro subnitido. — *Sclerotium herbarum Fr. syst. II.* 263. *Sel. Euphorbiae Kunz. in lit. Xyloma Potentillae Fr. X. Lini Ehrenb. sylv.* 27.

Ad caules herbarum vivos et languidos, v. c. Potentillae vernae, Lini, Cerastiorum, Euphorbiae exiguae aliarumque.

1399. *L. arcolatum W.*, pseudostromate planiusculo opaco nigro-fusco, foliorum parenchymatis arcolas obreptando infarciente, demum bullato. *Sclerotium arcolatum Fr. syst. II.* 263., *obs. II.* 553. *t.* 7. *f.* 5.

Ad folia languida Pruni Padi et virginianae.

1400. *L. vulgare Fr.*, pseudostromate subrotundo

simplici vario nitido nigro ruguloso, demum integro secedente. *Fr. syst. II.* 599. *Sclerotium nitidum Pers.* X. *Actaeae Schwein.*

Ad caules Lunariae, Actaeae aliarumque.

1401. *L. nitidum W.*, pseudostromate oblongo latescente sparso, demum confluente aterrimo nitido longitudinaliter striato.

α. Iridis. — *Leptostroma Iridis Ehrenb. sylv.* 27. *Dub. gall. II.* 726. *Ectostroma Iridis Fr. syst. II.* 602.

β. Typhae. — *L. Iridis β. Typhae Dub. l. l.*

Ad folia viva Iridis et Typhae, passim.

1402. *L. Spiraeae Fr.*, pseudostromate conglomerato connato rugoso difformi nitido, intus gryseo, demum integro secedente. *Fr. syst. II.* 599. *Xyloma Spiraeae Kunz. myk. Hft. I.* 75.

Ad Spiraeae Arunci caules languidos.

1403. *L. filicinum Fr.*, pseudostromate elongato laevi nigro difformi dein adulto magis, costa elevata inscripto integroque secedente. *Fr. syst. II.* 599. *Schizoderma filicinum Ehrenb. sylv.* 15. *Leptostroma Pteridis Ehrenb. l. l.* 27. *Sclerotium Pteridis Pers. Hypoderma striaeforme DC. gall. VI.* 166.

Ad stipites Filicum nostratium, Pteridis v. c., Osmundae et Aspidiorum.

1404. *L. juncinum Fr.*, pseudostromate plano oblongo difformi nitido nigro-fusco, demum integro secedente. *Fr. syst. II.* 598. *L. caricinum Fr. l. l.*

Ad culmos Junci communis et Caricum.

1405. *L. scirpinum Fr.*, pseudostromate orbiculari opaco vertice umbonato, demum integro secedente. *Fr. syst. II.* 598. *Dub. gall. II.* 726. *L. xylomoides Fr. obs. I.* 197. *t.* 1. *f.* 6. *Schizoderma scirpinum Ehrenb. sylv.* 27.

Ad culmos Scirpi lacustris languentes, auctumno.

146. SCLEROTIUM TODE. *Fleischknopf.*

Pseudostroma obscure-cellulosum carnosum album s. llide-roseum subsimilare, superficiem saturatiorem s. colorem induens, polymorphum, saepius e figura irregu-i ad subrotundam tornatamque tendens, siccando du-iem subcartilagineam adficiens, sporidiis destitutum.

(*Sclerotium Tod. Pers. Nees. Fr. syst. excl. tribu ylomatum et sp. nonnullis ad Perisporium referendis. C. in mem. mus. hist. nat.* 1816. 411. *et alior. auct. ccopleum Ehrenb. Astoma Gray. Sphaeriae et Xylo-tis sp. Angl. Lycoperdon auct. med. act. Thanatophy-a Nees. Rhizoctonia DC. Spermoedia Fr. Sphaeaelia ecill.* (Vegetabilia tum ad figuram fabricamque inter-m tum ad genesin paradoxa, cum verrucis et calculis gni animalis comparanda.)

† *placentaria, pseudostromate e basi latescente adnata superficiali, primum saepius epidermide obvelato, difformi, nisu semet producendi insigni.* (*Sclerotia subadnata Fr.*)

1406. *Scl. nervale Fr.*, pseudostromate elongato presso crassiusculo, nervos folii veluti obesos ambeunte, errimo, intus albo. — *Sclerotium nervale Fr. syst. II.* 0. *Dub. gall. II.* 874. *Scl. Trientalis Fr. l. l. Xylo-a nervale Alb. et Schwein. nisk.* 64. *t.* 7. *f.* 7.

Ad foliorum semiputridorum nervos, v. c. Ulmorum, axinorum et Prunorum.

1407. *Scl. Pustula DC.*, pseudostromate hemi-haerico hypophyllo, e figura subrotunda vario umbona-ruguloso nigrescente, intus corneo albo. — *Sclerotium stula DC. memoir. l. l.* 417. *t.* 14. *f.* 7. *Fr. syst. II.* 0. *Dub. gall. II.* 875. *Scl. quercinum Pers. syn.* 124. *b. et Schw. nisk.* 76.

Ad folia Quercus, Pyri, Fagi, Castaneae et Acerum stratium (*Sclerot. acerinum Schwein. Fr. syst. II.* 264.)

1408. *Scl. Brassicae Pers.*, pseudostromate ob-

longo depreso tenui sparso, primum extus intusque albo, demum nigro-punctato. — *Sclerotium Brassicae* Pers. *syn.* 122. *Alb. et Schw. nisk.* 75. *Dub. gall. II.* 874. *Fr. syst. II.* 259.

Ad petiolos et folia putrescentia Brassicae oleraceae, Hemerocallis et Liliorum, nonnisi etiam interaneum.

1409. *Scl. durum Pers.*, pseudostromate oblongo magis minusve producto attenuatoque dimidiato sparso carnoso nigro tenuiter striato, intus albido demum basi, soluto. — *Sclerotium durum Pers. syn.* 121. *Rebent. neom.* 361. *Alb. et Schw. nisk.* 74. *Fr. syst. II.* 259. *Dub. gall. II.* 874. *Grev. crypt. t.* 1. *Astoma solidum Gray. Sphaeria tuberosa Sowerb. fung. t.* 393. *f.* 2.

Ad caules exsiccatos herbarum elatiorum, Umbelliferarum praeprimis, nec quoque a receptaculis Daturae et Dipsaci alienum (*var. β. γ. Fries.*); var. *linearem* perangustam in Hemerocalle legi.

1410. *Scl. bullatum DC.*, pseudostromate e figura orbiculata ovato convexo granulato atro demum confluente, intus albido. — *Sclerotium bullatum DC. gall. II.* 113. *Dub. gall. II.* 874. *Fr. syst. II.* 259.

Ad corticem Cucurbitarum putrescentium.

1411. *Scl. compactum DC.*, pseudostromate ovato aut vario reticulato-connexo demum crasso subruguloso incondito nigrescente intus albo-variegato. — *Sclerotium compactum DC. gall. VI.* 113. *Dub. l. l. Fr. syst. II.* 258.

Ad receptacula matura Helianthi et intra Cucurbitas maturas.

1412. *Scl. pyrinum Nees*, pseudostromate ovato-oblongo convexo, primum floccoso molli fusco dein nigro-fusco coacto, intus subconcolore. — *Sclerotium pyrinum Nees. Fr. syst. II.* 258. *Dub. gall. II.* 874. *Scl. fructuum Grev. Tremella ustulata Bull. champ.* 221. *t.* 420. *f.* 2. *Pers. syn.* 627. *Scl. varium b. Alb. et Schw. nisk.* 627.

Ad poma putrescentia hyemis tempore. (Tum genesi tum fabrica interna haud mediocriter desciscit novumque forma s. aliud genus adpellat.)

1412. **Scl. variegatum** *W.*, pseudostromate ovato-subglobosa adnato dein elongato ruguloso ex albo nigroque variegato, intus corneo albo. — *Sclerotium Maydis Dub. gall. II.* 872.

Ad chachidem Zeae Maydis, Thuring. (*Wallr.*)

†† *figurata, pseudostromate e figura hemisphaerica globosam, depresso-scutellarem s. cylindricam adficiente, praeter basin leviter adnexam libero.*

* *subglobosa, pseudostr. e figura hemisphaerica ad globosam tendente, basi nudus s. fibrillosa, emergente.*

* *sessilia, pseudostr. basi nudo.*

1413. **Scl. Conii** *Dub.*, pseudostromate punctiformi dein epidermidem roseam transeunte hemisphaerico mitiga subdepresso ruguloso intescente, intus concolore. — *Sclerotium Conii Dub. gall. II.* 873.

Ad caules exsiccatos Conii maculati.

1415. **Scl. pallidatum** *Fr.*, pseudostromate globoso primum incluso albo dein nigro-fusco hemisphaerico utriusque prominalis tecto, intus concolore. — *Sclerotium pallidatum Fr. syst. II.* 256. *Schltd. berol. II.* 216. *Coccopleum pallidatum Ehrenb. sylv.* 27.

Ad lamellas Agaricorum putres agri berol. (*Ehrenb.*) (*Dubium, mihi ignotum.*)

1416. **Scl. inclusum** *Kunz.*, pseudostromate spadiceo primum immerso dein emerso libero lenticulari rugoso, demum nigro, intus variegato. — *Sclerotium inclusum Schm. et Kunz. Deutschl. Schw. n.* 137. *Fr. syst. II.* 255.

Ad foliorum populinorum semiputrium paginam utramque rectas.

1417. **Scl. sanguineum** *Fr.*, pseudostromate pri-

mum obtecto dein emerso libero subgloboso laevi exiguo obscure sanguineo. — *Sclerotium sanguineum Fr. syst. II.* 255.

Ad folia Convallariae majalis putria, ex quibus perforando emergit.

1418. *Scl. fuscum W.*, pseudostromate e basi depressa subgloboso conoideo laevi fusco-castaneo nitido sparso, demum corneo, intus albente.

Ad ligna cariosa laxe appensum, in nemoribus thuring.

1419. *Scl. fulvum Fr.*, pseudostromate erumpente, dein libero globoso s. magis oblongato rugoso fulvo intus albido. *Fr. syst. II.* 255.

Ex foliis graminum humi jacentium primo vere emergit.

1420. *Scl. lactum Ehrenb.*, pseudostromate subrotundo rubente in basin albidam tenuato. *Sclerotium laetum Ehrenb. in Spr. syst. IV.* 521.

Ad caules herbarum elatiorum agri berolin. *(Ehrenb.)*

1421. *Scl. immersum Tod.*, pseudostromate erumpente, e figura subrotunda ovali laevi flavescente, dein stramineo, intus albo. — *Sclerotium immersum Tod. mecl. 2. t. 1. f. 3. DC. gall. VI.* 111. *Fr. syst. II.* 255.

Ad Pini sylvestris ramulos moribundos ducat. meclenb. *(Todc.)*

1422. *Scl. vulgatum Fr.*, pseudostromate libero globoso s. difformi laevissimo flavo disperso, intus albo. — *Sclerotium vulgatum Fr. obs. I.* 204., *syst. II.* 249.

Ad quisquilias putres fimo mixtas, suis locis passim; simile inter folia putrida, magis tamen testaceum.

1423. *Scl. udum Fr.*, pseudostromate ovato-globoso libero glabro e flavo purpurascente, intus pallidiore. *Fr. syst. II.* 250.

Inter gramina lacustria ad ripas rejecta.

1424. *Scl. stercorarium DC.*, pseudostromate libero subrotundo nigro majusculo, primum carnoso, dein

corneo ruguloso, intus albo. — *Sclerotium stercorarium DC. gall. II.* 250. *Dub. gall. II.* 873. *Fr. syst. II.* 250.

Sub fimo vaccino passim delitescit.

1425. *Scl. Semen Tod.*, epi-et entocaulon, pseudostromate sphaerico veluti tornato sparso, nonnisi magis conferto, primum laxe appenso ex albo-lutescente, dein spadiceo, demum nigro opaco mobili, siccando corrugato corneo, intus albo. — *Sclerotium Semen Tod. mecl. I.* 4. *t.* 1. *f.* 6. *Pers. syn.* 123. *Albert. et Schw. nisk.* 75. *Rebent. neom.* 361. *DC. gall. VI.* 113. *Necs syst. f.* 138. *Fr. syst.* 249. *Grev. crypt. t.* 144. *f.* 2. *Sphaeria Brassicae Bolt. fung. t.* 119. *f.* 2. *Sowerb. fung. t.* 393. *f.* 3. *Lycoperdon Brassicae Berg. L. oleraceum auct. Lyc. subterraneum Hall. hist. n.* 2178. *Tremella sphaerica Gleditsch.*

Ad caules et folia putrescentia humi congesta, Solani tuberosi maxime et Brassicarum aliarumque ejusmodi domesticarum, nec ab interaneis alienum, auctumno, ubivis locorum abundanter. (De hoc, ceu Brassicae semine degenere, huic ut ovum ovo simili, multum confabulati sunt mediae aetatis scriptores et ad varietates nobiliores gignendas sationi, *Hallero* primum refutante, dignum habuerunt.)

1426. *Scl. scutellatum A. et Schw.*, pseudostromate orbiculato patellaeformi, in basin brevissimam tenuato subsessili majusculo convexiusculo fusco, intus albo. — *Sclerotium scutellatum Alb. et Schw. nisk.* 74. *t.* 3. *f.* 6. *Necs syst. f.* 139. *DC. mem.* 418. *Fr. syst. II.* 249.

Ad folia putrescentia, Fraxini potissimum et Acerum, petiolis nervisque intermediis, raro ipsis novellis adfixum.

1427. *Scl. pezizaeforme Schum.*, pseudostromate subsessili orbiculato plano-depresso albo-virescente intus concolore. — *Sclerotium pezizaeforme Schum. saell. II.* 186. *Fr. syst. II.* 248.

Ad folia dejecta Fagi, auctumno, in saltubus Hercyn. inferior. passim.

oo *suffulta, pseudostromate basi suffulto.*

1428. *Scl. byssisedum W.*, pseudostromate globoso exiguo, primum pallido byssum tenerrimam parcam nigrescentem caducam circumspargente, dein fusco nudo laevi, basi tenuiter appenso. — *? Sclerotium pubescens Pers. syn.* 123. *Fr. syst. II.* 253. *Alb. et Schw. nisk.* 76.

Ad lamellas et hymenium Agaricorum, auctumno. (Alphitomorpham habitu et minutie ferme aemulatur.)

1429. *Scl. stipatum Fr.*, pseudostromate ovato-globoso exiguo aggregato fuseo-testaceo, primum fibrillis byssinis suffulto, dein nudo rugoso, intus concolore. — *Sclerotium stipatum Fr. syst. II.* 254.

Ad ligna putrida duriora, hyeme.

1430. *Scl. strobilinum Schm.*, pseudostromate sphaerico rugoso nigro, fibrillis radiatim expansis insidente, intus albo. — *Sclerotium strobilinum Schm. in Kunz. myk. Hft. I.* 85. *Fr. syst. II.* 254. *Rhizoctonia strobilina Link sp. I.* 120.

Ad strobilos Pini putrescentes Saxoniae. (*Schmidt.*)

1431. *Scl. radicatum Tod.*, pseudostromate ovato sparso assurgente nigro basi producta fibrilloso-radicato. — *Tode mecl.* 5. *t.* 1. *f.* 8. *Pers. syn.* 122. *Fr. syst. II.* 254.

Stipulas humi jacentes obsidere dicitur. (*Tode.*)

** *lobata, pseudostromate difformi lobato praeter basin primum cubilibus incumbentem demum libero, saepius subterraneo s. obtecto, nonnisi entocaulo.*

1432. *Scl. varium Pers.*, pseudostromate gregario carnoso laxe appenso, primum e basi byssoidea alba succrescente subrotundo, dein oblongo lobato plane difformi fuscescente, demum nigro rugoso secedente, intus albo. — *Sclerotium varium Pers. syn.* 122. *Rebent. neom.* 361. *t.* 4. *f.* 16. *Alb. et Schw. nisk.* 75. *DC. mém. l. l.* 315. *Nees syst. f.* 138. *Fr. syst. II* 258. *Dub. gall.* 874. *Scl. ovatum Schum. Elvella Brassicae Hoffm. veget. cr.*

8. t. 5. f. 2. *Lycoperdon oleraceum Poll. pal. III.* 312. *uber oleraceum Web. hols.* 14.

Ad caules, tubera et rhizomata, brumae tempore in weis defossa, haud rarum, v. c. ad Brassicam, Daucum, c non intra caules herbarum elatiorum v. c. Malva-m, Georginae. (Primordia byssoidea satis peculiaria; oles varia, saepius insigni, 1-2 uncialis; figura rudis, lymorpha.)

1433. *Scl. tectum Fr.*, pseudostromate primum popholoeode latescente applanato insigni difformi dein nergente nigro, intus albido. — *Sclerotium tectum Fr. s. l.* 204., *syst. II.* 251.

Ad caules herbarum elatiorum passim.

1434. *Scl. atro-virens Schm.*, pseudostromate convexo sublobato durissimo laevi atrovirente, intus albo. *Schmidt l. l.* 86. *Fr. syst. II.* 251.

In Polyporo formentario putri circa Lipsiam. (*Schmidt.*)

1435. *Scl. Fungorum Pers.*, pseudostromate figura ovata oblongaque vario, difformi lobato polymorpho glaberrimo pallido dein fulvo, intus albo, hymenocystetum parenchymati insperso. — *Sclerotium fungorum Pers. syn.* 120. *Alb. et Schw. nisk.* 73. *Fr. syst.* 252.

β. lacunosum, pseudost. duro lacunoso nigro. *Fr. l. Sclerotium lacunosum Pers. syn.* 121. *Nees syst. f.* 137.

Intra lamellas Agaricorum putrescentium, praeprimis garici tuberosi rarius; *β.* subterraneum, a var. *α.*, praeter colorem plane non diversum.

1436. *Scl. truncorum Fr.*, pseudostromate vario subcompresso tuberculoso s. lacunoso glabro flavo, intus albo. — *Sclerotium truncorum Fr. syst. II.* 252. *Scl. larum Schum. Scl. subterrancum β. truncorum Tod.* ecl. 4. t. 1. f. 5. *Alb. et Schw. nisk.* 73.

Ad ligna nda Fagorum putrium rarius.

1437. *Scl. muscorum Pers.*, pseudostromate difformi lobato glabro tuberculoso, extus intusque aureo

spongioso. — *Sclerotium muscorum Pers. syn.* 120. *Fr. syst. II.* 152. *Scl. subterraneum α. Tod. l. l. Alb. et Schw. l. l.*

Ad muscos putrescentes, passim etiam ad ligna. (Aliud forma congruens at laevissimum corneum, inter Jungermanniam albicantem montis Bructeri legi, forsan novum.)

1438. *Scl. complanatum Tod.*, pseudostromate primum molli lacteo obovato, dein assurgente compresso obcordato ruguloso ex albido-fuscescente, intus albo. — *Sclerotium complanatum Tod. mecl.* 3. *t.* 1. *f.* 9. *Pers. syn.* 121. *Rebent. Alb. et Schw. nisk.* 73. *Fr. syst. II.* 248. *Nees syst. f.* 140.

Ad folia putria aliasque quisquilias humi jacentes, minime rarum.

1439. *Scl. Vaporariorum A. et Schw.*, pseudostromate primum tecto magno durissimo fuscescente, e figura subglobosa oblongaque perquam vario, unciali, demum corrugato nigro. — *Sclerotium vaporarium Alb. et Schw. nisk.* 73. *t.* 10. *f.* 1. *DC. mem.* 414. *Nees syst. f.* 136. *Fr. syst. II.* 251. *?Scl. atratum Desv.*

Ad corticem coriarium vaporariorium rarius.

1440. *Scl. bryophilum W.*, pseudostromate gregario e figura subrotundo-angulata elongato-tortuoso polymorpho luteo-fulvo, extremitates fibrillosas exserente iisque copulato, sicco fragili scrobiculato. *Rhizoctonia muscorum Fr. syst. II.* 265.

Ad radices Hedwigiae ciliatae aliorumque muscorum basi compacta putrescentium Hercyn. rarius. (*Rhizoctonia Crocorum DC. Fr. syst. II.* 265. *Thanatophyton Crocorum Nees syst. f.* 135. *et Rhizoct. Medicaginis DC. Fr. l. l.*, bulbos Croci et radices Medicaginum in Gallia australi infestantes, mihi latent, nec tamen a Sclerotiis separandae. Simili jure *Periola* genus (*Fr. syst. II.* 266.) in contentionem venit, praeter faciem externam villosam, a quibusdam Sclerotiis (Scl. vario v. c.) minime alienam et substantiam gelatinoso-carnosam, vix a Sclerotio rite distinguendum.)

**** cornuta, pseudostromate cylindrico cornuto, sive entocaulo, sive epigynio interglumaceo, intus roseo. (Spermoedia Fr. Sphacaelia Leveill.)*

1441. *Scl. roseum Kneiff*, pseudostromate oblongato cylindrico utrinque truncato crasso tenuiter pruinoso longitudinaliter striato nigro, primum entocaulo dein culmum disrumpente, intus pallide-roseo. *Sclerotium roseum Kneiff in lit.* — *Dub. gall. II.* 871.

Intra culmos marcescentes Scirpi lacustris circa Arentoratum, unico loco. (*Kneiff.*)

1442. *Scl. Clavus DC.*, pseudostromate subcylindrico elongato corniformi acuminato, extus fusco-purrascente nonnisi leviter pruinoso, intus carnoso pallide roseo, e basi glumarum Gramincarum adnata libere proiciente illasque subaequante, grana transfigurata veluti entiente. — *Spermoedia Clavus Fr. syst. II.* 268. *Sphacaelia segetum Leveillé in act. societ. Linn. Paris.* I. 126. *Regensb. bot. Literat. Bl. I.* 80. *Sclerotium Clavus DC. mem.* 416. *t.* 14. *f.* 8., *gall. II.* 115.

α. Secalis, pseudostr. cylindrico elongato sulcato, sice nonnisi fisso, glumis duplo majore. — *Secale cornutum Balding. diss. Mutterkorn Schrft. Berl. Ges. I.* 14. *Granu Secalis degenerati Brunn. in ephem. N. C. secas III.* 348. *Secale luxurians Bauh. pin.* 23. *Secalis ater Thal. herc.* 47. *Clavi Siliginis Lonic.*

β. Tritici, pseudostr. ovato turgido utrinque obtuso glumas subaequante.

γ. Lolii, pseudostr. cylindrico acuto tenuato glumis celato.

δ. Arundinis, pseudostr. cylindrico tenuato acuto glumas aequante.

ε. Dactylidis, pseudostr. cylindrico acuto tenuato glumas excedente.

ζ. Festucae, pseudostr. cylindrico obtuso glumas vix superante.

η. Sessleriae, pseudostr. cylindrico tenuato utrinque acuminato glumas longe excedente.

Intra glumas graminum praedictorum in agro thuringiaco abundat, aliorum alibi, aestate. (Vegatabile noxium, nauseosum *(Tessier malad.* 21.), vera caussa Raphaniae *Linn.*, Ergotismi Gallorum aliorumque morborum, nuper iterum inter medicamina satis ancipitia receptum.)

NB. Ad hoc genus insuper, praeter alia, quaedam blastematis lichenosi excrementa pertinent ejusque transfigurationes callosae s. *phymata* sic dicta (*Naturg. I.* 71.) in censum veniunt, utpote generi tum geneseos, tum habitus ratione analoga, quae quidem Peltigerae aphthosae var. *β. phymatoden Flor. germ. I.* 560. statuunt, et in Parmelia gelida (*I.* 486.), P. pulmonaria (*I.* 508.). P. glomulifera (*I.* 506.), P. fraxinea (*I.* 537.), P. jubata (*I.* 541.), P. officinarum (*I.* 544.) aliisque affatim redeunt.

147. ACROSPERMUM TOD. *Spitzkorn.*

Pseudostroma elongatum subclavatum substipitatum, e cortice membranaceo tenui inseparabili persistente compositum, intus carnosum conforme demum rigidum, praeter apicem, nonnisi tumidulum et dilutiorem pruinosum, asporophorum.

(*Acrospermum Tode. Fries. Xyloglossi spec. Pers. fung. escul. Phacorrhiza Pers. myc. Clavariae spec. Pers. et auct.*) Genus dubium, sive praecedenti sive Clavariae, si quidem apex ascophorus, subscribendum.

1443. *A. compressum Tod.*, pseudostromate lanceolato subcompresso, demum praeter apicem pruinosum albidum olivaceo-nigrescente parce sulcato. — *Acrospermum compressum Tod. mecl. I.* 8. *t.* 2. *f.* 13. *Fr. syst. II.* 245. *Clavaria herbarum Pers. clav.* 68. *t.* 3. *f.* 4.

Ad caules herbar. majorum passim.

1444. *A. Phacorrhiza W.*, pseudostromate simplici albo clavato subcarnoso, e tuberculo badio s. ni-

grescente emergente. — *Phacorrhiza sclerotioides Pers. myc. I.* 192. *Acrospermum sclerotioides Fr. syst. II.* 245.

Ad caules exsiccatos Sonchi alpini Vogesorum (*Moug. et Nestler*), nec non Hercyn.

1445. *A. conicum Fr.*, pseudostromate conico laevi nigrescente apice dilutiore. *Fr. syst. II.* 246. *Pers. myc. t.* 11. *f.* 5. 6.

Ad caules herbarum elatiorum siccos, passim.

1446. *A. cornutum Fr.*, pseudostromate laevi cornuto dein siccando sulcato rufo, apice dilutiore. *Fr. l. l. Sclerotium cornutum Fr. obs. I.* 205.

Ad Agaricos putres passim. (Noli commutare cum Sphaeronemate.)

1447. *?A. pyramidale Tod.*, pseudostromate ovato-acuminato laevi roseo apice albo-pruinoso, basi flocculoso. — *Acrospermum pyramidale Tod. l. l. t.* 2. *f.* 14. *Fr. syst. II.* 246.

Ad Agaricum deliciosum aridum. (*Tode.*)

1448. *?A. lactum W.*, pseudostromate subrotundo saepe geminato lacte-rubro basi albida stipitato. *Sclerotium lactum Ehrenb. sylv.* 26. *f.* 2.

Ad caules herb. elatiorum agri berol. (*Ehrenberg.*)

B. helicomorphi, rhabdis filiformibus fistulosis, septis genicula mentientibus interceptis, intus massa granulosa (?sporidiis particulisve analogis) farctis, colore variis, saepius colorem fulvum cum cano mutuantibus. (*Byssaceorum genera Agrdh class. Inomycetes Nees. Mart. Algarum genera Agrdh syst.*)

148. HELICOMYCES LINK. *Ringelfaser.*

Rhabdi floccosi pertenues caespitosi simplices erecti, apice septato spiraliter involuti.

1449. *H. roseus Lk.*, rhabdis arachnoideo-capillaribus curtis aequaliter septatis roseis, dein gryseo-inca-

nescentibus pulvinulosque pertenues maculares dein effusos praestantibus. — *Helicomyces roseus Link obs. I.* 19. *t. I. f.* 35., *spec. I.* 131. *Nees syst.* 40. *f.* 37. *?Hyphasma roseum Rebent. neom.* 397. *t.* 4. *f.* 20. *Byssus spiralis Fr. fems.* 43.

Ad truncos putrescentes German., v. c. prope Rostochium. (*Ditmar.*)

149. AMPHITRICHUM NEES. *Krausfaser.*

Rhabdi erecti continui, e basi articulata stromatis instar obtexta globosa assurgentes.

1450. *A. effusum Nees*, rhabdis effusis aterrimis rigidis, e basi obtexta hyalina articulata prominentibus. — *Amphitrichum effusum Nees in act. nat. cur. IX. t.* 6. *f.* 17. *Sprengl. syst. IV.* 556.

Ad ligna pinea. (*Nees.*) (Mihi latet.)

150. ALTERNARIA NEES. *Wechselfaser.*

Rhabdi erecti simplices opaci interstitiis filiformi-tenuatis, articulos ovales remotos interstinguentibus intercepti.

1451. *A. tenuis Nees*, rhabdis strictis nigro-olivaceis dense aggregatis, articulis oblongis interceptis. — *Alternaria tenuis Nees syst.* 72. *f.* 68. *Pers. myc. I.* 20. *Dub. gall. II.* 931.

Ad caules herbarum siccos. (An hyphasma alius cujusdam?)

1452. *A. rudis Ehrenb.*, rhabdis rigidis curtis nigris complexis, articulis nodos rudes mentientibus. *Ehrenb. sylv.* 10. 22. *Schltd. berol.* 149. *Spr. syst. IV.* 558.

Ad ramos pineos agri berolin. (*Ehrenberg.*) (Genus amphibolum, mihi dubium plane.)

151. PLEGMATIUM FR. *Aftfaser.*

Rhabdi subramosi fistulosi tenuiter constipatoque membranacei, septis transversis opacis veluti sporophoris interstincti.

(*Plegmatium Fr. fems. Protonema et Mycinema Agrdh. Confervae spec. auct.*) Genus Confervae tum habitu tum fabrica interna compar, vix nisi loco et textura stipata vitaque nera diversum, illi saltem analogon.)

1453. *Pl. muscicola Fr.*, rhabdis simplicibus abbreviatis subfasciculatis aureis, septis sporophoris, articulos diametrum aequantes interstinctis. — *Protonema muscicola et Acharii Agrdh syst.* 45. *Plegmatium muscicola Fr. fems.* 42.

Ad ligna carie exesa saltuum udorum. (Pseudocotyledones muscorum, nec non Erinea Phylleria refert plane et denuo observanda, saltem dubia species.)

1454. *Pl. fulvum Fr.*, rhabdis decumbentibus productis submembranaceis dein compresso-ligamentosis vage-ramosis ferrugineo-spadiceis, his ramulisque septis sporophoris, articulos diametro triplo longiores siccando alternatim compressos aequantibus interstinctis, in stratum expansum laxum intertextis. — *Plegmatium fulvum Fr. fems.* 42. *Mycinema fulvum et rubiginosum Agrdh syst.* 33. *Conferva muscicola auct.*

Ad ligna putrida, terram arenosam subactam, ipsosque caules herbarum elatiorum (Bardanae) siccos agri thuring., halens et gotting. haud quidem rarum. (Insigni colore jam et rhabdorum plexu longe protenso oculos alliciens.)

1455. *Pl. olivaceum W.*, rhabdis decumbentibus vage ramosis, septis saturatioribus latescentibus, articulos diametro quater longiores interstinguentibus sordide viridibus, in stratum expansum olivaceum implexis.

Ad ligna salicina putrida Thuring.

1456. *Pl. Saxicola W.*, rhabdis implexis vage ramosis membranaceo-coriaceis flaccis fusco-nigrescentibus, septis sporophoris articulos diametro quadruplo longioribus, siccando alternatim compressos interstinguentibus. — *Conferva saxicola Wallr. ann. bot.* 135. *t.* 6. *f.* 4.

Ad schistum irroratum in cryptis Thuring. et Hey cyn. superioris.

1457. *Pl. ebeneum W.*, rhabdis erectis abbreviat ramosis caespitosis atris, ramulis remotis divergentibu septis articulos diametrum subaequantibus interstincti — *Chroolepus ebeneus Agrdh syst.* 36. *Conferva ebene Dillw. conf. t.* 101. *Spr. syst. IV.* 354. *C. nigra Rot*

Ad saxorum latibula.

1458. *Pl. Pteridis Fr.*, rhabdis simplicissimis fusco lutescentibus declinatis, articulis longitudinaliter plicat diametro triplo longioribus. — *Plegmatium Pteridis F l. l. Mucinema Pteridis Agrdh syst.* 33. *Conferva Pte ridis Agrdh. Spr. syst. IV.* 354.

Ad rhizomata Pteridis aquilinae emortua.

152. TRENTEPOHLIA MART. *Trentepohlie.*

Rhabdi erecti ramosi rigiduli septati persistentes ver sicolores, intus massa grumulosa varie digesta (sporidiis repleta illaque foras adspersi.

(*Trentepohlia Mart. Agrdh nec Hoffm. Amphiconiu Nees. Spr. Chroolepus Agrdh. Confervae et Byssi spe auct.*) (De generis loco systematico ejusque notis adhu sub judice lis est: Algam refert quidem, nec tame cum reliquis Asporom. helicomorphis communionem reticet.

1459. *Tr. aurea Mart.*, rhabdis erectis tenuite capillaribus vage patentimque ramosis flexuosis in arti culos diametro duplo longiores obsolete distinctis gru mulisque sporomorphis varie digestis foetis, primum au rantio-flaventibus dein gryseo-incanescentibus, in pulvi nos convexos molles congestis. — *Trentepohlia aure Mart. erl.* 351. *Agrdh syst.* 36. *Amphiconium petraeu Nees syst.* 69. *in adnot. Spr. syst. IV.* 344. *Ozoniu aureum Dub. gall. II.* 934. *Sporotrichum Jolithus Ficin Ectocarpus aureus Lyngb. hydroph. t.* 44. *Dematiu aureum Rebent. neom.* 395. *Conferva aurea Dillw. con t.* 35. *Roth. Weis. Dematium petraeum Pers. syn.* 697

Lichen aureus Ach. Byssus aurea Linn. spec. II. 1683. *Leyss. Roth. Wahlenb. suec. — Flor. dan. t.* 718. *f.* 1. *Engl. bot.* 212. *B. petraea Dill. hist. t.* 1. *f.* 16. *Rupp. jen.* 300.

Ad ligna putrescentia et gypsum vicinum irroratum rupium thuringiacar. ubertim, in Peltigerae saccatae consortio.

1460. *Tr. Jolithus W.*, rhabdis erectis brevibus ramosis, septis pellucidis, articulos grumulis sporomorphis ovatis plenos diametro sesquilongiores intercepientibus inque extremitates turgidas desinentibus, pulvinos depressos s. caespitosos elevatos arcte condensatos praestantibus, primum aureis (violam spirantibus) dein aeruginosis. — *Amphiconium rupestre Nees l. l. Spr. syst. IV.* 344. *Chroolepus Jolithus Agrdh syst.* 34. *Dematium Jolithus Wahlenb. lapp.* 535. *Conferva Jolithus Agrdh syn. Lyngb. Phytoconis Jolithus Bory de St. Vinc. Conferva aurea β. Jolithus Roth germ. Lepraria Jolithus Ach. Byssus Jolithus L. sp.* 1638. *Flor. dan. t.* 899. *f.* 1. *Lichen iridis colore Hall. hist. n.* 2090. *Byssus germanica Mich. gener. t.* 89. *f.* 3. *Jolithus s. lapis violaceus Swenkf. fossil. Sites.* 382.

Ad saxa duriora porphyrea et granitica irrorata humoque tenui tecta montium editissimorum Silesiae et Hercyn. super. (*Schwenkf. — Wallr.*) (A praecedente, cui *Rothius* subscribit, distinctissima, duplices tamen ad loci natalis conditiones spondet varietates: *α. alpestrem*, rhabdis curtis anguste-disseptis, in stratum aequale tenue stipato-pulvernlentum digestis, ad cautes Hercyn.; et *β. alpinam*, rhabdis productioribus crassioribus rigidioribus, in pulvinos elatos condensatis, ad petras Silesiae.)

153. SYNCOELIUM W. *Kettenfaser.*

Rhabdi subramosi ex articulis hyalinis inflatis, intus massa grumosa saturatiore scatentibus ovato-subrotundis annulatis seriatim connexis compositi, catenulati.

(*Torulae, Moniliae et Leprariae sp. auct.*)

1461. *S. catenulatum W.*, rhabdis ex artic hyalinis inflatis ovato-subrotundis annulatis seriatim c nexis compositis moniliformibus, primum cinnabarinis d expallescentibus massamque effusam pulverulento-stu posam mentientibus. — *Torula cinnabarina Mart. crl. 3*

Ad corticem arborum, Alnorum v. c. et Quercu nostratium annosum in umbrosis passim. (Cautius p fecto a chrysogonidiis lichenum (*Naturg. I. 303.*), habitu externo simillimum dignoscendum, Plegmati cum Trentepohlia eximie jungens.)

154. ACROTHAMNIUM NEES. *Schlingfaser.*

Rhabdi decumbentes intricati, e basi ramosa opaca, apices septatos adscendentes.

1462. *A. violaceum Nees*, rhabdis violaceis, basi ramosa opaca declinata in extremitates magis p lucidas septatas veluti sporophoras assurgentibus pul nulosque effusos crassiusculos praestantibus. — *Acro violaceum Nees syst. 74. f. 11. Pers. myc. I. 25. L sp. I. 27. Ehrenb. sylv. 10. Himantia Rosae Spr. sy IV. 559. Sporotrichum muscorum Link obs. II. Byssus globulifera Schum. saell. II. 447.*

Ad radices arborum putrescentium, v. c. Franc *(Nees.)* (Pro fungi cujuscunque perfectioris primor declarat *Friesius.* Ad Asporomycetes rhizomorphos t rulosos deflectere videtur.)

C. rhizomorphi, rhabdis molis variae, saepi arachnoideis, vage ramosis valde protensis fistulosis, pra ter extremitates et appendices nonnisi septatas lat appensas s. corpuscula sporangiomorpha infarcientes, co tinuis omnino, nunc simplicissimis in pannum magis n nusve densum contextis, nunc in fasciculos laxe aggr gatis, nunc virgatis plane tegmineque homogene mag tamen stipato veluti corticatis membranamque nonn ramulos tentaculatos exserentem expansis, praeter a pendices sporomorphas et corpuscula subglobosa disper

s. extremos rhabdos terminantia rhabdorum imperfectorum stupa farcta cum sporangiis prorsus analoga, sporidiis veris destitutis.

(Hyphomycetes trichoidei Link sp. Mucedineae byssineae et Lycoperdaceorum Sclerotiaceārum genera Dub. Mucedines asporae Lk. Mart.)

⊛ *byssoidei, rhabdis continuis arachnoideo-hyphoideis s. filaribus hyalinis stygioque opacis.*

155. BYSSUS HUMB. *Gruftschimmel.*

Rhabdii arachnoidei hyalini simplices s. ramosi decumbentes fistulosi continui laxe intertexti fugaces (aëris contactu saltem) contabescentes s. confluentes, sporidiis destituti.

(Hypha Link sp. Pers. myc. Hyphasma Rebent. Dematium Pers. Byssus L. pr. pr. ex emend. Humb. Dub. (Mycetes subterranei in cryptis locisque suffocatis vegeti, albi, aliorum procul dubio initia, ex loco lucisque defectu pessumdati, hinc dubii.)

1463. *B. floccosa Schreb.*, rhabdis hyphoideis simplicissimis subparallelis niveis, primum laxe intertextis, hypham veluti gossypinam elatam subrotundam mundissimam, dein collapis, membranam compactam s. corium tenacellum mentientibus. — *Byssus floccosa Schreb. spic.* 144. *Mart. crl.* 345. *B. bombycina Nees syst. f.* 73. *Hypha bombycina Pers. myc. I.* 63. *Link sp. I.* 141. *Hyphasma floccosum Rebent. neom.* 396. *Dematium bombycinum Pers. syn.* 696. — *Dill. hist. t.* 1. *f.* 9.

Ad ligna et lapides in caveis udis et fodinis minime rara, spithama nonnisi altior et latior, ocissime glisceus.

1464. *B. elongata DC.*, rhabdis simplicibus tenuissimis, filamenta tenuia subcylindrica ramosa mentientibus, nonnisi longissime protensis. — *Hypha elongata DC. gall. II.* 67. *Dub. gall. II.* 934.

Ad ligna cryptarum udarum.

1465. *B. argentea Dub.*, rhabdis e centro radiantibus, in ramulos tenuissimos arachnoideos argenteos divulsis. *Dub. gall. II.* 934. *B. cellaris Humb. frib.* 66. *Hypha argentea Pers. Lk. l. l. Mesenterica argentea Pers. syn.* 706. — *Vaill. bot. t.* 8. *f.* 1.

Ad parietes udos et suffocatos.

1466. *B. speciosa Humb.*, rhabdis niveis ramosissimis repentibus, in ramos flexuosos compressos apice expansos orbiculatim dispositos confluentibus. — *Byssus speciosa Humb. frib.* 69. *t.* 4. *f.* 18. *Hypha speciosa Pers. et Link l. l.*

In omnibus cuniculis fribergensibus, lignum et saxa obducens. (*Humboldt.*)

1467. *B. digitata Humb.*, rhabdis longissimis arachnoideis, in fasciculos funiculares propexos apice divisos confluentibus. — *B. digitata Humb. l. l. t.* 2. *f.* 1. *Hypha digitata Pers. myc. I.* 65. *Lk. l. l.*

In fodinis metallicis Saxoniae ad columnas (*Humboldt.*)

1468. *B. clavata Humb.*, erecta nivea versus basin attenuata clavaeformis. *Humb. l. l. t.* 4. *f.* 17. *Hypha clavata Pers. et Link.*

In fodinis fribergens. (*Humboldt.*)

1469. *B. Penicillum Scop.*, erecta nivea, rhabdis fasciculatim congestis simplicissimis. — *Humb. l. l.* 68. *Scop. dissert. I.* 91. *t.* 2. *f.* 3. *Hypha Penicillum Pers. et Link. l. l.*

In fodinis metallicis Saxoniae (*Humboldt.*)

1470. *B. radiciformis Lesk.*, nivea tenerrima, rhabdis ramosis pendulis, globis floccosis hinc inde adhaerentibus. *Humb. frib. l. l. Hypha radiciformis Pers. et Link. l. l.*

Ad columnas ligneas fodinarum (*Humboldt.*)

1471. *B. globosa Humb.*, expansa, radians dein globum pendulum glomerata. *Humb. frib.* 70. *Leske. Scopol. diss. I.* 93. *t.* 16.

Ad trabes in fodinis metallicis Saxon. (*Humboldt.*)

1472. *B. membranacea Humb.*, explanata nivea, membrana ex filamentis constans dense intertexta. *Humb. de pl. subterr. n. 6., frib. 69. B. floccosa Scop. l. l. t. 4. Hypha membranacea Pers. et Link l. l.*

In fodinis metallicis Saxon. (*Humboldt.*)

1473. *B. sulfurea Dub.*, mollissima dilatata indeterminata citrino-sulfurea, exsiccata membranacea sordide carnea. *Dub. gall. II. 934. Hypha sulphurea Nees in N. act. acad. Leop. II. 568.*

Ad ligna in locis humidis et suffocatis passim.

156. OZONIUM PERS. EMEND. *Strahlenfaser.*

Rhabdi decumbentes protensi continui ramosi primum aggregato-fasciculati dein facile secedentes, habitum penicillatum mentientes, (*thallus Lk.*), sporidiis destituti.

(Ozonium Pers. ex emdt. Lk. Ozonii et Byssi spec. Pers. et DC. Himantia Pers. Spr. et aliorum auct. (quae quidem pro bona parte aliorum perfectiorum mycelia cotyledonaria praestant, vel ad Thelephoras, Hypochnum ipsasque Clavarias deflectunt.) Mycetes cryptophili, aliorum procul dubio juvenes degeneres, loco iniquo nati.

1474. *O. candidum Mart.*, rhabdis primum fasciculato-aggregatis funicularibus ramosissimis nonnisi longissime protensis laxis niveis dein stramineis radiatim expansis hinc inde et ad extremitates secedentibus habitumque plumosum s. penicillatum mentientibus. — *Ozonium candidum Mart. crl. 358. Link sp. I. 139. Dub. gall. II. 935. Sporotrichum plumosum Spr. syst. IV. 547. Himantia candida Pers. syn. 703. Byssus candida Huds. Ehrh. Beytr. III. 85. — Dill. hist. t. 1. f. 15. A.*

Ad folia humecta lignumque putridum.

1475. *O. castaneum W.*, rhabdis primum fasciculato-aggregatis filaribus ramosis adpressis productis fusco-castaneis, dein in alios rhabdos arachnoideos con-

colores rigidulos parce ramosos secedentibus, stratum implexum mentientibus.

Ad ligna putredine exesa Thuring. (*Wallr.*)

1476. *O. stuposum Pers.*, rhabdis ramosis umbrinis fulvisque glabris intertextis sensim tenuatis, lignum fissum plerumque penetrantibus. — *Oz. stuposum Pers. myc. I.* 87. *Link. sp. I.* 138. *Dub. gall. II.* 934. *Dematium stuposum Pers. syn.* 696. *Byssus intertexta DC. gall. II.* 68.

Ad trabes putrescentes defossas subterraneum.

1477. *O. auricomum Lk.*, rhabdis primariis simplicibus rigidulis subfasciculato-comosis porrectis aurantio-rufis setosis, dein in alios arachnoideo-capillares secedentibus incumbentibus, hyphum mollem ramosam tenuiter tortuosoque intertextam fulvam mentientibus. — *Oz. auricomum Link obs. I.* 19., *spec. I.* 138. *Dub. gall. II.* 934. *Grev. crypt. t.* 260. *O. fulvum Pers. myc. I.* 87. *Himantia fulva Spr. syst. IV.* 559. *Rhizomorpha capillaris Roth in Uster. Ann. Ceratonema capillare Pers. syn.* 695. *Bysssus fulva Huds. Humb. frib.* 62. *B. barbata Engl. bot. t.* 701. *B. aurantiaca DC. gall. II.* 68.

Ad areas ligni faginei caesi, sub tecto arescentes rarius. (Habitu torvo et colore insigne.)

1478. ?*O. flammeum W.*, rhabdis clavaeformibus miniato-flammeis in apicem byssoideum dilutiorem deplanatis. *Himantia flammea Junghuhn in Schldt. Linn.* 1830. *p.* 408. *t.* 7. *f.* 4. ?*H. lateritia Bull.*

Inter folia putredine conglutinata Hercyn. infer. (*Junghuhn.*)

157. DEMATIUM LK. *Starrfaser.*

Rhabdi ramosi decumbentes continui simplicissimi integerrimi (nec secedentes) opaci persistentes, in stratum tomentosum inconditum laxe intertexti, sporangiis sporidiisque (saltem conspicuis) destituti.

(*Dematium Lk. nec Pers. Racodii et Xylostromatis spec. Pers.*)

1479. *D. nigrum Lk.*, rhabdis intricatis e gryseo-fuscove nigris mollibus, in stratum effusum crassum contextis. *Link obs. I.* 19., *sp. I.* 131. *Sporotrichum nigrum Lk. obs. II.* 35. *Racodium vulgare et resinae Fr. obs. I.* 215. *R. nigrum Schum.*

Ad arbores putrescentes minime rarum.

1480. *D. mollissimum Lk.*, rhabdis intricatis e gryseo et fusco nigris mollissimis, in stratum effusum crassum contextis. *Link sp. I.* 132.

Ad corticem arborum agri rostoch. (*Link.*) (Praecedente crassius quidem nec tamen dissimile.)

1481. *D. rupestre Lk.*, rhabdis intricatis crassitie inaequalibus, in stratum pannosum effusum crassum laxe contextis, aterrimis. — *D. rupestre Link obs. I.* 19., *sp. I.* 133. *Nees fung. 76. f. 73. Mart. erl.* 358. *Racodium rupestre Pers. syn.* 701., *myc. I.* 68. *Byssus rupestris DC. gall. II.* 592. *B. nigra auct.*

Ad rupes a sole retractas cryptarum montium editiorum, Hercyn. v. c. abundat.

1482. *D. rupincola Lk.*, rhabdis intricatis crassitie subaequalibus, in stratum crassum effusum contextis, atris. — *D. rupincola Link sp. I.* 133. *Racodium rupestre β. petraeum Pers. syn.* 701. *Byssus petraea Wulff.*

Ad rupes umbrosas German. austr. (*Wulffen.*)

1483. *D. geotrichum W.*, rhabdis elongatis arachnoideis ramosissimis, in stratum tenuatum pannosum longe effusum cubilibusque adhaerens laxe intertextis, stygiis.

Ad terram limosam Hercyn. infer. minime rarum.

1484. *D. badium Lk.*, rhabdis teneris ramosis, in stratum effusum crassiusculum contextis, badiis. — *Dematium badium Link sp. I.* 132. *nec Dub. et Pers.*

Ad ramos arborum dejectos German. (*Link.*)

1485. *D. jubatum Lk.*, rhabdis intricatis e fusco-gryseis in stratum effusum laxum lanosum elasticum intertextis. — *Dematium jubatum Link l. l.*

Ad ramos udos humi jacentes agri rostoch. (*Link.*)

1486. *D. castaneum Lk.*, rhabdis densis parallelis, in stratum longitudinaliter effusum constipatis, ferrugineo-badiis. — *Dematium castaneum Link l. l. D. badium Dub. gall. II.* 933. *Racodium castaneum Pers. myc. I.* 70.

Ad ramos exsiccatos Hercyn.

1487. *D. Aluta Lk.*, rhabdis cinnamomeis tenuibus, in stratum pannosum late expansum dense constipatis. — *Dematium Aluta Link sp. I.* 134. *Dub. gall. II.* 933. *Racodium Aluta Pers. syn.* 702., *myc. I.* 69. *Byssus Aluta DC. gall. II.* 10.

Intra arbores cavas et ad trabes cryptarum.

1488. *?D. giganteum Chev.*, rhabdis intricatis pallide alutaceis, in stratum coriaceo-suberosum latissimum obesum constipatis. *Dematium giganteum Chev. par. I.* 79. *Dub. gall. II.* 933. *Byssus gigantea DC. gall. II.* 67. *Xylostroma Corium Pers. myc. X. giganteum Tod. mecl. I. t.* 6. *f.* 51.

Intra arborum fissuras passim. (Dubii generis vegetabile, alius cujuscunque monstrum.)

1489. *?D. violaceum Pers.*, rhabdis simplicibus brevibus violaceis, caespitulos parvos concolores dein caesios constituentibus. *Dematium violaceum Pers. syn.* 697. *Byssus phosphorea L. spec.* 1638. *Roth germ. III.* 564. *Dill. hist. t.* 1. *f.* 6. *Mich. gen. t.* 90. *f.* 3.

Ad ligna putrida. (*Persoon.*) (Dubium quidem at synonymis celeberrimum.)

1490. *D. cinnabarinum Pers.*, rhabdis brevissimis parce ramosis, pulvinulos penicillatos subrotundos confluentes praestantibus, primum cinnabarinis dein gryseo-expallescentibus. — *Dematium cinnabarinum Pers. syn.* 697. (*in fungo*), *myc. I.* 14. (*in Abiete*). *Dub. gall.*

II. 934. *D. abietinum Ditm. Spr. syst. IV.* 553. *Sporotrichum abietinum Link obs. I.* 11. *Byssus abietina Fr. fems.* 43.

Ad truncos Abietum udos Hercyn. et ad alia quaecunque ligna putrida. (Trentepohliae aureae tam simile et oculis nudis distingui nequeat.) *Linkius* pro alga habet (*sp. I.* 41.)

1491. *D. Nidulus W.*, rhabdis simplicissimis tenerrimis brevibus, e basi dense implexa constipata undique aequaliterque assurgentibus apicibusque liberis, nidulum figuratum veluti comosum rotundum exiguum centro impressum pallide-fuscum mentientibus.

Ad Thelephoras emergit Himantias Thuring. (*Wallr.*) (Habitu omnino Chaetomium s. Pezizulam aemulatur, nec tamen sporidia vidi inter rhabdorum complexum asporum.)

NB. Praeter meas, alias complures, a *Persoonio* aliisque ad amussim traditas consulto omisi hujus generis species, utpote amphibolas ac valde paradoxas.

torulosi, rhabdis basi continuis s. septatis simplicibus farctis saepius rigidulis, nunc ad apicem sive ipsum illum difformibus, in articulos cohaerentes s. moniliformes vel facile secedentes divisis, nunc corpora similia figurata septisque transversis s. longitudinalibus intercepta, ad latera laxe appensa et ex aqua facile dilabentia, libera, veluti sporomorpha promentibus, sive conglobata terminalia exserentibus, ex olivaceo nigris, strata s. fasciculos stygios mentientibus. (Byssi disjuncti Nees. Mucedineae byssaceae Dub.) Familia charactere ancipiti insignis; fabrica rhabdorum difformium stipatorum olivaceo-coloratorum ad Rhabdomycetes, corpusculis sporomorphis, vix nisi rhabdos secundarios s. appendices spondentibus, a rhabdis difformibus, ad Hyphomycetes reflectens.

158. BALANIUM W. *Eichelknopf.*

Rhabdi continui vage-ramosi opaci, ad extremitates dichotomas, corpuscula sporomorpha obovata in basin

sensim tenuata et veluti pedicellata sustinentes, demumque excutientes. (Cum Hyphomycetum Melidio analogon.)

1492. *B. stygium W.*, rhabdis continuis opacis vage-ramosis, extremitatibus dichotomis corpuscula sporomorpha subpyriformia demum secedentia sustinentibus, in stratum nigrum effusum laxe intertextis. *Balanium stygium Wallr. in lit.*

Ad ligna putredine exesa sub sepimentis occultata Thuring. (*Wallr.*) (Rhabdi e basi simplici continui rageramosi, in extremitates patentes dichotomas, primum corpusculo sporomorpho obovato solitario coronatas desinunt illisque basi pedicelliformi facile fracta, undique dispersis insperguntur, et cubilia strati fibrosi stygii parce inquinantis instar, longe lateque obducunt.)

159. GONGYLOCLADIUM W. *Dorlfaser.*

Rhabdi erecti simplices septati e basi tenuata inde sensim tumentes et veluti in tubercula subrotunda inflata articulati, primum continui dein sensim magis constricti inque articulos subrotundos dilabentes. (*?Oedemium Lk.*)

1493. *G. atrum W.*, rhabdis simplicibus implexis decumbentibus, in strata effusa crassiuscula dense aggregatis, atris. — *Oedemium atrum Link spec. I.* 43.

Ad corticem Tiliae putrem agri northus. (*Wallr.*) (Rhabdi a media inde parte in articulos subrotundos intumescunt, primum habitum strumosum s. torulosum mentiuntur, dein vero in illos secedunt jugiter nunc intermixtos fucumque cum sporidiis liberis Hyphomycetum facientes.)

160. SPONDYLOCLADIUM MART. *Quirlfaser.*

Rhabdi erecti stricti parce ramosi opaci rigidi annulato-moniliformes in ramos conformes verticillatos divisi. — (Cum Stachylidio Hyphomycetum analogon. *Martius.*)

1494. *Sp. fumosum Mart.*, rhabdis brevissimis erectis, e basi simplici in ramulos quaternos subverticillatos divisis articulisque subglobosis moniliformibus interceptis, in stratum fumoso-nigrum aggregatis. — *Spondylocladium fumosum Mart. erl.* 355. *Link spec. I.* 78. *Dematium verticillatum Hoffm. germ. III. t. 13. f. 1. (rudis.)*

Ad ligna putrida herbasque mucidas auctumno.

161. HELICOTRICHUM NEES. *Wickelfaser.*

Rhabdi simplices s. ramosi septati rigiduli. Appendices sporomorphae cylindricae circinnatae fugaces.

(*Helicosporium et Helicotrichum Nees. Lk.*)

1495. *H. vegetum Nees*, rhabdis rigidulis acutis dense aggregatis nigris, appendicibus sporomorphis spiraliter involutis septatis, ad basin inspersis viridi-gryseis. — *Helicosporium vegetum Nees syst.* 68. *f.* 69. *Pers. myc. I.* 18. *Link spec. I.* 51.

Ad ligna putrida Franconiae. (*Nees.*)

1496. *H. pulvinatum Pers.*, rhabdis tenerrimis arachnoideis ramosis praeter apices septatos continuis sordide olivaceis opacis, in stratum lanosum laxe-intertextis, appendicibus spiraliter involutis obsolete-septatis creberrimis deciduis, circa basin flaventem interspersis. — *Helicosporium pulvinatum Pers. myc. I.* 19. *Spr. syst. IV.* 553. *Helicotrichum pulvinatum Nees act. Leopold. IX.* 246. *t.* 5. *f.* 15. *Link spec. I.* 33.

Ad truncos putridos Franconiae. (*Nees.*)

162. POLYTHRINCIUM KZ. *Paternosterfaser.*

Rhabdi erectiusculi simplices moniliformes olivacei fasciculos caespitosos densos atro-virides constituentes. Appendices sporomorphae 1-septatae s. didymae, dein interspersae.

1497. *P. Trifolii Kunz.*, rhabdis rigidulis curtis subdiaphanis, ex articulis inaequalibus contiguis monili-

formibus concatenatis, in grumulos primum pulvinatos circumscriptos dein confluentes olivaceo-fuscos, maculae flavae insidentes dense congestis, appendicibus sporomorphis ovalibus concoloribus hyalinis dein juxta basin interspersis. — *Polythrincium Trifolii Kunz.* et *Schm. myk. Hft. I.* 13. *t.* 1. *f.* 8. *Link spec. I.* 43. *Grev. cr. t.* 216. *Trichothecium Trifolii Spr. syst. IV.* 552.

Ad Trifoliorum nostratium vegetorum folia plerumque hypophyllum, passim. (Habitu erysibode facile decipit.)

163. ARTHRINIUM KZ. *Gliederfaser.*

Rhabdi simplices depressi septis crassiusculis opacis interstincti, veluti torulosi caespitulos, parvos constituentes. Appendices sporomorphae opacae farctae, e figura ovata fusiformique variae diversimode septatae.

(*Arthrinium Kz. Camptoum, Goniosporium et Sporophleum Lk.*)

1498. *A. Caricicola Kz.*, rhabdis tenerrimis moniliformibus decoloribus, in pulvinulos subrotundos exiguos sparsos fuscos dense congestis, appendicibus sporomorphis concoloribus opacis fusiformibus transversim longitudinaliterque septatis interspersis, rhabdorum molem superantibus. — *Arthrinium caricicola Kunz.* et *Schm. l. l. t.* 1. *f.* 4. *II.* 102. *Link spec. I.* 42. *ext. syn. Fries.*

1499. *A. curvatum Kz.*, rhabdis tenerrimis erecti-usculis remote-septatis curtis fuscescentibus, in caespites dein confluentes velutinos dense congestis, appendicibus sporomorphis creberrimis minutissimis ovatis curvatis concoloribus subsimplicibus opacis interspersis. — *Arthrinium curvatum Kunz.* et *Schm. l. l. II.* 103. *Camptoum curvatum Link spec. I.* 44.

Ad folia Scirpi lacustris arida agri lips. (*Lehmann.*)

1500. *A. puccinioides Kz.*, rhabdis elongatis tenuibus fuscis, in caespites exiguos velutinos laxe con-

gestis, appendicibus sporomorphis creberrimis minutis concoloribus opacis 3-4gonis. — *Arthrinium pucciniodes Kunze et Schm. l. l. II.* 103. *Goniosporium pucciniodes DC. gall. II.* 75. *Xyloma caricinum Fr. obs. II.* 361. *t.* 7. *f.* 4. (*teste Kunze.*)

Ad folia Caricum collinarum arida agri v. c. lipsiens. (*Kunze.*)

1501. *A. Sporophleum Kz.*, rhabdis tenuibus curtis fuscis remote-septatis, appendicibus sporomorphis minutis copiosissimis oblongis utrinque acutis concoloribus. — *Arthrinium Sporophleum Kunz. et Schm. l. l. Sporophleum gramineum Nees in lit. Spreng. Grundz. t.* 5. *f.* 5. *Link spec. I.* 45.

Ad folia graminum arida passim.

1502. *?A. pyrinum W.*, rhabdis curtis e basi connata inde simplicibus bacillaribus subpellucidis torulosis, appendicibus sporomorphis lateralibus s. subterminalibus oblongis utrinque acuminatis basi tenuata leviter adnatis pellucidis simplicibus rhabdorum molem subaequantibus illisque duplo brevioribus, maculam olivaceo-fuscam tenuissimam rotundam aequalem efficientibus. — *Brachytrichum pyrinum Wallr. in lit.*

Ad utramque Pyri communis foliorum faciem v. c. circa Heringam Thuring. (*Wallr.*) (Appendices sporomorphae simplices nec transversim vel potius longitudinaliter septatae iisque a genere desciscere videntur. Nolui tamen dubius novum genus servare.)

164. HELMISPORIUM LK. *Ringelkeule.*

Rhabdi erecti rigiduli simplices s. parce ramosi opaci continui s. septati sparsi confertique distincti. Appendices sporomorphae e figura clavata cylindricae laterales, basi tenuata appensae septatae pellucidae, dein facile secedentes,

(*Helmisporium Lk. obs. Helminthosporium Pers. myc. et Lk. sp. Coelosporium Lk.*)

1503. *H. gracile W.*, rhabdis simplicibus nodosis gracilescentibus erectis pellucidis fasciculatis, appendicibus sporomorphis circa apicem congestis ovatis minimis 3-4 septatis utrinque obtusiusculis, rhabdorum molem subaequantibus. — *Helmisporium gramineum W. olim.*

Ad folia vaginasque graminum cerealium sicca et Iridum folia passim.

1504. *H. cylindricum W.*, rhabdis simplicibus nodulosis flexuosis curvatisque opacis dense caespitosis, appendicibus sporomorphis cylindricis utrinque attenuatis acuminatis, rhabdo duplo crassioribus illoque quater brevioribus. — *Helmisporium cylindricum W. in lit.*

Ad lignum coryleum putridum Thuring.

1505. *H. nanum Nees*, rhabdis simplicibus sparsis subnodosis distinctis opacis rigidulis curtis erectis, appendicibus subcylindricis utrinque obtusis 3-5 septatis, rhabdum subaequantibus illoque duplo crassioribus. — *Helmisporium nanum Nees syst.* 67. *f.* 65. *Link spec. I.* 49. *Dub. gall. II.* 929. *Cladosporium nanum Spr. syst. IV.* 553.

Ad ligna putrida minime rarum.

1506. *H. fugax W.*, rhabdis simplicibus aequalibus opacis erectis distinctis sparsis, appendicibus sporomorphis majusculis oblongo-cylindricis pellucidis septatis caducis. — *Acrosporium confervoides Wallr. in lit.*

Ad Agrostis Spicae venti culmos, praeprimis ad nodos, Thuring.

1507. *H. simplex Nees*, rhabdis simplicibus s. parce ramosis dense aggregatis, appendicibus sporomorphis pellucidis fusiformibus obsolete septatis. — *Helmisporium simplex Nees nov. act. Leopold. IX.* 241. *t.* 5. *f.* 11. *Pers. myc. I.* 18. *Link spec. I.* 50.

Ad ligna salicina agri lipsiens. (*Kunze.*)

1508. *H. tenuissimum Nees*, rhabdis simplicibus erectis olivaceo-nigris laxe caespitosis, appendicibus spo-

romorphis ad basin congestis olivaceis clavatis. — *Helmisporium tenuissimum Nees l. l.* 242. *t.* 5. *f.* 1. *Link spec. I.* 50. *Dub. gall. II.* 929.

Ad caules herbarum siccos nec non ad petala florum compositorum marcida (v. c. Anthemidum), passim.

1509. *H. subulatum Nees*, rhabdis subsimplicibus subulatis laxe aggregatis, appendicibus sporomorphis clavatis pellucidis. — *Helmisporium subulatum Nees l. c. t.* 5. *f.* 13. *Pers. et Link l. l.*

Ad ramulos quercinos Franconiae. (*Nees.*)

1510. *H. minus Lk.*, rhabdis subramosis atris laxe aggregatis, appendicibus oviformibus obsolete septatis. *Helmisporium minus Link spec. I.* 48.

Ad ramulos putridos passim.

1511. *H. pellucidum Kz.*, rhabdis ramosis aggregatis pellucidis fusco-nigris brevibus, appendicibus sporomorphis pyiformibus, in basin veluti stipitiformem prodactis. — *Helmisporium pellucidum Kunze apud Link spec. I.* 49.

Ad ramulos dejectos agri lipsiens. (*Kunze.*) (Quid sit *Helmisporium subramosum Kunz. in lit. s. Conoplea fusca Pers. myc. I.* 12. mihi latet.)

1512. *H. nodosum W.*, rhabdis curtis nodosis tortuosis atro-viridibus, in stratum effusum velutinum stygium congestis, appendicibus ovalibus utrinque acuminatis concoloribus obsolete septatis.

Ad truncum fagineum Hercyn. (*Wallr.*)

1513. *?H. coilospermum Lk.*, rhabdis ramosis aggregatis in caespitulos globosos congestis, appendicibus sporomorphis globosis orificio subrotundo dehiscentibus, demum cavis. — *Helmisporium cavispermum Link obs. II.* 38. *Coelosporium fruticulosum Link spec. I.* 46. *excl. syn. Pers. Erineum articulatum DC. gall. II.* 74.

Ad gramina sicca. (*Link.*)

1514. *H. vesicarium W.*, rhabdis subsimpli
pellucidis articulis ovatis geniculato-interstinctis toru
moniliformibus, appendicibus sporomorphis ovato-
globosis utrinque obtusis maximis inflatis pellucidis t
versim longitudinaliterque disseptis veluti quadrilocu
bus, grumulos fasciculatos sparsos nigro-virentes m
entibus. — *Dematium articulatum Pers. syn.* 694. *p*

Ad Allii sativi scapos siccos, auctumno minime
rum. (Appendices Pucciniae sporidia majuscula fere
mulantur.)

1515. *H. Cheiranthi Libert*, rhabdis er
simplicibus pellucidis subnodosis septatis, appendi
sporomorphis copiosissimis maximis pyriformibus,
producta appensis septis transversis pluribus longi
nalibusque interstinctis veluti celluloso-reticulatis,
torulosis, rhabdo duplo crassioribus, areas effusas ni
olivaceas praestantibus. — *Helmisporium Cheiranthi
bert in Desmaz. crypt. n.* 213. *Dub. gall. II.* 929.
cinia Cheiri Lestib. bot. belg.

Ad folia Cheiranthi annui cheirifolii languesce
auctumni tempore minime rarum.

1516. *H. praelongum W.*, rhabdis depressis
subramosis nigro-olivaceis pellucidis laxe caespitosis
ticulatis curtis, appendicibus sporomorphis cylind
praelongis aequalibus rectis opacis obscure-(10-15)
tatis concoloribus rhabdos dein caducos obliterantib

Ad Georginae caules putres hortor. thuring. (
gularis sp., quae rhabdis facile evanescentibus, ex
pendicum caterva superstite, Hormisciam plane refer

1517. *H. velutinum Lk.*, rhabdis parce ram
opacis obsolete septatis obtusis nigrescentibus prae
gis strictis obtusis dense aggregatis, cubilia (ramu
undique veluti strigarum propexarum agmine stygio
beuntibus, appendicibus sporomorphis subcylindricis
attenuatis 3-8 septatis pellucidioribus. — *Helmispo
velutinum Link obs. I.* 8., *spec. I.* 47. *Nees syst. f.*

gonis, appendicibus sporomorphis creberrimis minutis [illegible] opacis 3-4 gonis. — *Arthrinium puccinioides* Kunze et Schm. l. l. II. 103. *Goniosporium puccinioides* DC. gall. II. 75. *Xyloma caricinum* Fr. obs. II. 301. t. 7. f. 4. (teste Kunze.)

Ad folia Caricum cullinarum arida agri v. c. lipsiens. (Kunze.)

1500. *A. Sporophleum* Kz., rhabdis tenuibus curtis fuscis remote-septatis, appendicibus sporomorphis [illegible] oblongis utrinque acutis concoloribus. — *Arthrinium Sporophleum* Kunz. et Schm. l. l. *Sporophleum graminum* Nees in lit. Spreng. Grundz. t. 5. f. 5. Link spec. I. 45.

Ad folia graminum arida passim.

1502. ?*A. pyrinum* W., rhabdis curtis e basi connata inde simplicibus bacillaribus subpellucidis torulosis, appendicibus sporomorphis lateralibus s. subterminalibus oblongis utrinque acuminatis basi tenuata leviter adnatis pellucidis simplicibus rhabdorum molem subaequantibus illisque duplo brevioribus, maculam olivaceo-fuscam [illegible] rotundam aequalem efficientibus. — *Brachytrichum pyrinum* Wallr. in lit.

Ad utrumque Pyri communis foliorum faciem v. c. circa Hertogen Thuring. (*Wallr.*) (Appendices sporomorphae simplices nec transversim vel potius longitudinaliter septatae iisque a genere desciscere videntur. Nolui tamen dubius novum genus servare.)

154. HELMISPORIUM LK. *Ringelkeule.*

Rhabdi erecti rigiduli simplices s. parce ramosi opaci continui s. septati sparsi confertique distincti. Appendices sporomorphae e figura clavata cylindricae laterales, basi tenuata appensae septatae pellucidae, dein facile secedentes.

(*Helmisporium Lk. obs. Helminthosporium* Pers. myc. et Lk. sp. *Coelosporium Lk.*)

1522. *Cl. graminum Lk.*, rhabdis sparsis culatisque curtis microscopicis gryseo-nigrescenti apice articulos globosos parcos demittentibus. — *dosporium graminum Link sp. I.* 42. *Dematium minum Pers. myc. I.* 16.

Ad folia culmosque graminum arescentium.

1523. *Cl. herbarum Lk.*, rhabdis atro-vi simplicibus fragilibus depressis in stratum demum sum constipatis, plurimis extremitates torulosas exserentibus. — *Cl. herbarum Link obs. II.* 37., 39. *Nees syst.* 67. *f.* 64. *B. Mart. crl.* 351. *Ac herbarum Link obs I.* 10. *Dematium herbarum syn.* 699., *mycol. I.* 15. *D. graminum Pers. l. l.*

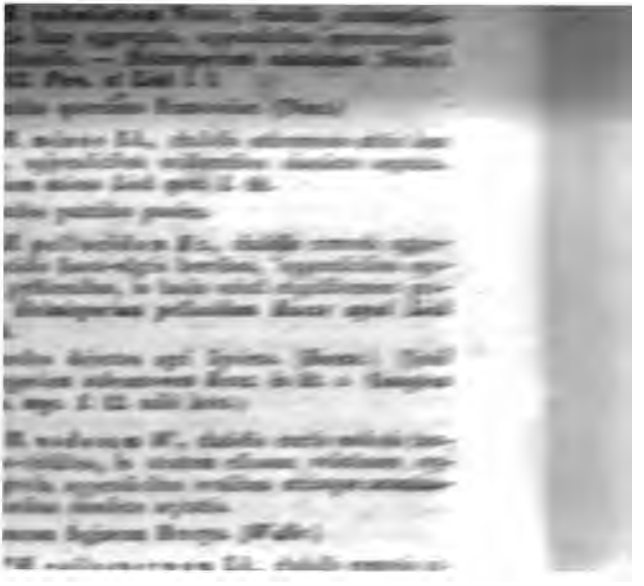
Ad vegetabilia quaecunque humi rejecta, udore nuo irrorata, copiose.

1524. *Cl. epiphyllum Nees*, rhabdis pa mosis fasciculato-ramosis atro-viridibus, ex apice culos plurimos ovato-subglobosos facile secedentib *Cladosporium epiphyllum Nees. Mart. crl.* 351. *tium epiphyllum Pers. syn.* 695. *myc. I.* 16. (*a praecedenti subscriptum.*)

Ad folia humecta, quercina potissimum.

1525. *Cl. Fumago Lk.*, rhabdis curtis subb ribus obsolete-torulosis vage ramosis erectis aggr ex apice in articulos minutissimos globosos congl tos hyalinos secedentibus iisque demum delapsis, s effusum tenuiter membranaceum sordide-stygium tuentibus. — *Cladosporium Fumago Link spec. Fumago vagans Pers. myc. I.* 9. *Syncollesia fo Agrdh syst.* 52. *Torula Fumago Chevaill. par. I.* t.

Ad foliorum vivorum paginam superiorem, Tilia muli, Ulmi, Populi, Betulae et Salicum patruarur rumque pl. sub dio et in caldariis vigentium passi state praeprimis calida post pluvias. (Hoc scilice muli pestem, quam *Goetheus* noster sciscitatur, tuit naturamque vegetabilem penitus exuit.)



1528. *Rh. pityophilum W.*, rhabdis ramosis de cumbentibus praeter apicem moniliformibus, in stratu inconditum ramos ambiens grumulosum compactum cr actis, corpuscula graniformia, stupa simili torulosa farci proferentibus illisque jugiter mixtis. — *Torula fuligi nosa Pers. mycol. I.* 21. *Antennaria pinophila Nees syst* 279. *f.* 298. *Mart. crl.* 353. *Link sp. I.* 118. *Fr. syst III.* 231. *A. Elates Spr. syst. IV.* 558. *Monilia Picea Funk. Dematium fuliginosum et pinastrum Schleich.*

Ad ramulos languescentes Pinus Piceae, in altis pine torum alpestrium penetralibus.

1529. *Rh. aterrimum Ehrenb.*, rhabdis brevibu rigidis atro-nitentibus, in stratum effusum expansis, a apices in articulos subovales pellucidos solutis. — *Ra codium aterrimum Ehrenb. sylv.* 10. 12. *Schtdl. berol* 153. *Link sp. I.* 26.

Ad truncos putridos Pinorum agr. berol. (*Ehrenberg.*

1530. *Rh. rubiginosum Fr.*, rhabdis mollibu rubiginosis dense contextis, corpuscula rotunda concolor elevantibus. — *Rh. rubiginosum Fr. obs. II.* 370. *Lin sp. I.* 27. *Byssus intertexta DC. gall. II.* 68.

Ad ligna vetusta udorum.

NB. Generis notio minus bene liquet, nec in corpus culis sporangioideis nil nisi rhabdorum conglobatorum vi deo rudimenta, quae fatiscendo inter se miscentur.

⊛⊛⊛ *corticati, rhabdis continuis demum tegmen cor ticatum circumducentibus, intus inanibus s. lax farctis.*

167. CERATONEMA PERS. *Hornfaser.*

Rhabdi teretiusculi subsimplices liberi tenuiter mem branacei continui rhizomorphi intus inanes, sporidiis e corpusculis sporangioideis destituti.

(*Ceratonema et Capillaria Pers. myc. Rhizomorpha et Isariae sp. auct.*)

[illegible] *Grev. cr. t.* 148. *f.* 2. *Dematium ciliare* [illegible] *Sphaeria ciliaris DC. gall. VI.* 131. [illegible] *ciliare Bull. fung. t.* 468. *f.* 1.

[illegible] maxime corylea a trunco reciso inde [illegible] passim ambit, habitu tervo ac colore [illegible] efficiens fucumque cum Sphaeriis cerato-[illegible]

[illegible] CLADOSPORIUM LK. *Kettenfaser.*

[illegible] simplices continui aggregati in extre-[illegible] turulosas excentibus inque articulos sub-[illegible] (*sporidia auct.*) secedentibus.

[illegible] *Link. Mart. Nees et auct. Dematii*

[illegible] *Cl. tenerrimum Lk.*, rhabdis dense aggre-[illegible] extremitatibus in articulos globosos demum [illegible] — *Cladosporium tenerrimum Link sp. I.* 41. [illegible] arborum putrescentium passim.

[illegible] *Cl. fuscum Lk.*, rhabdis dense aggregatis [illegible] parce ramosas in articulos globosos [illegible] spargentibus, tomentum duriusculum fuscum [illegible] — *Cladosporium fuscum Link*

[illegible] herbarum elatiorum et fruticum tenellorum, [illegible] varia German. locis.

[illegible] *Cl. polysporum Lk.*, rhabdis atris curtis [illegible] aggregatis, ex apice in articulos globosos [illegible] — *Cladosporium polysporum Link*

[illegible] putrescentia agri berolin. (*Link.*)

[illegible] *Cl. atrum Lk.*, rhabdis atris strictis in stra-[illegible] effusum dense aggregatis, ex apice in-[illegible] globosos raros secedentibus. — *Cla-[illegible] atrum Link obs. II.* 38., *sp. I.* 40.

[illegible] herbarum elatiorum siccus v. c. circa Lip-[illegible] Vratislaviam (*Link*) et alibi passim.

†† *dubiae nec cum corpusculis sporangioideis visae.*

1540. *Rh. fusca Nestl.*, fusca flaccida compressa ramoso-intertexta, ramis extremis dilatatis membranaceis pallidis. *Spr. syst. IV.* 542. *Dub. gall. II.* 868..
In vasis magnis et puteis.

1541. *Rh. chordalis Ach.*, fusca simplex filiformis longissima flexuosa intus alba. *Ach. in act. holm.* 1814. *Spr. syst. l. l. Rh. imperialis Sowerb. Rh. obstruens Pers. Rh. laxa et simplex Rebent. teste Spr.*
Ad cortices siphonum putres.

1542. *Rh. Humboldtii W.*, filiformis laevis opaca fusco-nigrescens intus rufa simpliciter pinnata, ramis horizontalibus distichis apice penicillatis. — *Rh. Achariana Fr. Spr. l. l. Rh. pinnata et crinalis Pers. myc. Lichen pinnatus et verticillatus Humb.*

Sub arborum cortice nec non in fodinis. (Alias complures novas *Acharius in act. succ.* et in *synops. lich.*, *Friesius* (*obs. I.* 211. —) et *Persoonius* in *mycol.* enumerat, quas quidem dubias consulto omisi.)

Ordo II.

SPOROMYCETES W. *Sporenpilze.*

Vegetabilia simplicia satis quandoque simplicissima omnino, vegetationis mycetoideae initia continuata partiumque carpomorpharum, huic classi propriarum umbram veluti praestantia, saepius asyntheta, nonnisi solummodo ex parenchymate foliorum (postea sub tabis erysibodis casu ocius languescentium) penitius suisque locis inverso, integro s. disrupto, sive inter putredinem vegetabilem ineuntem primitus subeuntia eaque stasi favente ortum clandestinum, demum tum colore alieno, tum fabrica callosostipata praenotatum maturantia, ex *sporidiis* meris, neque thecis inclusis, neque admiiculis ullis fibrosis intertextis, *sed inter se libere* conglobatis, massa sporacea

foetis, nunc simplicissimis iisque e figura globosa minusve oblongatis, nnuc 1-pluriesve septatis, m prorsus ovato-geminatam cylindricam basinque que aequalem vel inaequalem tenuando inque stipi- uffulcientem producendo (*sporidia pedicellata auct.*, *basin tenuata* potius) concinnantibus, nunc con- atis, hyphasma moniliforme mentientibus, varie ta- reconditis, et sive foras profusis, cubilia integra ve- ransigendo inquinandoque obvallantibus (*Sporomy- epispori*), sive ex parenchymate inverso inque con- culi calyculati, tubulosi cancellative figuram cou- to s. strato carnoso, primum hypophloeode (*spori- um*) exceptis (*Sp. hypospori*), sive illud, pseudostro- vices agens ambeundo obsidentibus (*Sp. perispori*), demique conceptacula propria figurata vascularia in- entibus composita, habitu prorsus perquam vario rulento, indole inquinante et colore e flavo, fusco ve insignia.

Dermatocarpi gymnospori Pers. syn. Coniomycetes . Schltdl. Spr. Mycetes crysiboidei Wallr. Gymno- tes Lk. sp. Uredines epiphytae et epixylae nigrae ss. Uredineae Dub.)

. epispori, sporidiis liberis ac profusis aliis licibus, septatis basinque aequalem constringentibus aequalem producentibus, aliis seriatim concatenatis, se facile secedentibus, massam tersam s. pulveru- m mentientibus, epidermidem immutatam plane nigentibus, tum adminiculis, tum stromate proprio itutis, cubilia obvallando inquinandoque foras obli- atibus. (Epiphytae genuinae et suffultae Lk. Ure- stilbosporeae et nemasporeae Dub.) Partium pro- tioni mycetoideae inservientium symbola.

. coacti, sporidiis simplicissimis geminatisve jugiter lobatis, massam coactam depressam tersam, ex aqua sa tamen solvendam praestantibus, ex latibulis hy- locodeis, saepe cirrhorum, stillarum s. scobis instar ullulantibus.

169. NEMASPORA EHRENB. *Schleimranke.*

Sporidia globosa microscopica simplicissima, in pulpam convexam epidermidem transeuntem coacta, dein in cirrhos varie tortos conglutinata profluentia.

(*Naemasporae recept. obsoleto s. nullo Pers. DC. Neçs. Nemaspora Ehrenb. Fr. Dub. Myxosporium Lk.*)

1543. *N. crocea Pers.*, sporidiis globosis microscopicis, cirrhos ex massa hypophloeode convexa profluentes varie tortos croceos succinicos emittentibus. — *Nemaspora crocea Pers. syn.* 109. *Ehrenb. sylv.* 12. *Nees syst. t.* 366. *Dub. gall. II.* 885. *Myxosporium croceum Link sp. II.* 99.

Ad lignorum fagineorum cortices, primum putredinis initium simulac vulgare.

170. COCCOSPORA W. *Kornsporling.*

Sporidia sphaerica pellucida simplicissima majuscula, in massam difformem liberam tunica destitutam conglobata, veluti muco conglutinata, ex aqua facile solvenda.

1544. *C. aurantiaca W.*, sporidiis sphaericis simplicissimis majusculis pellucidis croceis, in massam amorpham graniformem cylindricam aurantiacam coactis.

Ad ligna putredine exesa, sub quisquiliis similibus defossa iisque laxe appensa Thuring. (*Wallr.*) (Corpuscula lignis radicalisque laxe appensa, amorpha, saepius tamen e figura oblonga cylindrica laevigata, belle aurantiaca, sub vitris sporidiorum majusculorum croceorum, inter se ex aqua facile solvendorum, ovulis piscium haud dissimilium complexum nudum praestant ideoque a Polyangio facile discernuntur.)

171. PHLOEOSPORA W. *Blattsporling.*

Sporidia cylindrica angustissima pellucida, septis tenerrimis interstincta, conglutinata cirrhorumque coactorum instar ex summa epidermidis pellicula scissa pro-

1531. *C. capillare Pers.*, rhabdis tenuissimis ramosis capillaribus primum croceis sequacibus dein exsiccando compressis fuscescentibus. — *Rhizomorpha capillaris Roth in Uster. Ann. I. 8. t. 1. f. 3. Ceratonema capillare Pers. myc. I. 49.*

Inter folia dejecta putrescentia.

1532. *C. Arundinis W.*, rhabdis ramosissimis fusco-nigricantibus, in strata tenuia macularia laxe congestis. — *Capillaria Arundinis Pers. myc. I. 51. Rhizomorpha conferoides Chaill.*

Intra culmos Arundinis Phragmitis.

1533. *C. furinum W.*, rhabdis vage patentimque ramosis teretibus dein ligamentosis alternatim compressis, in strata mollia laxe congestis fusco-purpurascentibus.

Inter tenentum spongiosum Parmeliae coerulescentis Hercyn. et Thuring. passim.

1534. *C. Crabronis Pers.*, rhabdis simplicibus elongatis lanciculatis erectis nodo centrali interceptis dilute ambrinis, apice tenerrime dilutioribus. — *Ceratonema Crabronis Pers. myc. I. 48. Isaria sphaecophila Ditm. in Sturm germ. III. 115. t. 57.*

Super Vespam Crabronem emortuam agri rostoch. (Ditmar.)

1535. *C. hippotrichodes Pers.*, rhabdis filiformibus teretiusculis nitidis nigro-fuscis parce-vagiterque ramosis flexuosis, setam equinam mentientibus. — *Ceratonema hippotrichodes Pers. myc. I. 49. Rhizomorpha setiformis Roth cat. I. 235. Mart. erl. 360. Lichen hippotrichodes Web. spic. 231. Byssus filamentosa Guett. — Bull. hist. t. 13. f. 11. B.*

Ad folia acerosa delapsa putredine conglobata Hercyn. v. c. minime rarum. (Cum corpusculis sporangioideis Rhizomorphiae tuberculosam designantibus nunquam vidi, quae pro radicibus Agarici androsacei a *Friesia* (spet. I. 137.), *Persoonio* negante, habetur mihique satis dubium, synonymis modo dignum laudatur.)

diffusis. — *Fusidium flavo-virens Ditm. l. l.* 37. *t.* 18. *F. aeruginosum Link obs. I.* 6., *sp. II.* 97.

Ad folia Quercus Roboris arida. (*Ditmar.*)

1549. *F. Buxi Schmidt*, sporidiis fusiformibus minutissimis albicantibus, ad strata sparsa digestis. — *Fusidium Buxi Schm. in lit. Link sp. II.* 97.

Ad folia Buxi sempervirentis arida, v. c. hort. lipsiens. (*Schmidt.*)

1550. *F. aureum Lk.*, sporidiis fusiformibus aurantiacis, ad strata angusta digestis. — *Fusidium aureum Link obs. I.* 6., *sp. II.* 97.

Ad fungos putrescentes agri v. c. rostoch. (*Link.*)

1551. *F. candidum Lk.*, sporidiis compactis fusiformibus albis, in strata demum confluentia digestis. — *Fusidium Link l. l. Fusisporium candidum Dub. gall. II.* 925.

Ad ramulos emortuos Fagi sylvaticae, v. c. agri rostoch. (*Link*), berolin. (*Ehrenberg.*)

1552. *F. expansum Lk.*, sporidiis cylindricis incurvis aurantiacis majusculis effusis. *Link sp. II.* 98. *Fusarium expansum Schltd. berol. II.* 139.

Ad Stilbosporas ramos obsidentes agri berol. frequens. (*Schlechtendal.*)

1553. *F. sulfureum Lk.*, sporidiis parvis fusiformibus curvatis crassiusculis, ad strata demum effusa congestis. — *Fusidium sulphureum Link sp. II.* 98. *Fusarium sulphureum Schltd. berol. l. l.*

Ad tubera putrescentia Solani effossa.

173. STILBOSPORA PERS. EMD. *Schorfsporling.*

Sporidia ovalia s. oblonga opaca septata, ex epidermide mortua profluentia grumulosque colliculosos coactos mentientia.

1554. *St. macrospora Lk.*, sporidiis cylindricis

biseptatis pellucidis atris, grumulos elevatos in ambitu effusos epidermidem subeuntes informantibus. — *Stilbospora macrospora Link sp. II.* 95. *St. macrosperma Pers. syn.* 96. *Nees syst.* 21. *f.* 17. *Dub. gall. II.* 883. *Puccinia macrospora Spr. syst. IV.* 569.

Ad ramos corticemque arborum emortuarum frequens.

1555. *St. angustata Pers.*, sporidiis cylindricis obscure septatis pellucidis atris, grumulos subrotundos papillatos, epidermide tectos informantibus. — *Stilbospora angustata Pers. syn.* 96. *Link l. l. Dub. l. l.*

Ad ramos dejectos, fagineos praeprimis, passim.

174. ASTEROSPORA KUNZ. *Sternsporling.*

Sporidia stellata farcta, in fundo floccoso-granuloso concervata, ex epidermide erumpentia.

1556. *Ast. Hoffmanni Kz.*, sporidiis stellatis, fundo tenui flavescenti varie incumbentibus, nigris. — *Asterosporium Hoffmanni Kunz. in bot. Z.* 1819. *p.* 225. *Schltdl. berol. II.* 135. *Dub. gall. II.* 883. *Stilbospora asterosperma Hoffm. germ. III. t.* 13. *f.* 3. *Pers. syn.* 96. *Ehrenb. sylv.* 9. 21.

Ad ramulos fagineos et betulinos passim.

b. inquinantes, sporidiis simplicibus, transversim longitudinaliterque septatis, nunc continuis, nunc concatenatis, inter se facile secedentibus, simulac inquinantibus.

† *sporidiis simplicibus s. seriatis, demum in alia simplicia secedentibus.*

175. MELANCONIUM NEES. *Russsporling.*

Sporidia simplicia rotundata, basi utraque aequalia libera, in grumulos primum hypophloeodeos dein emersos convexiusculos inquinantes congesta.

* *sporidiis minoribus.*

1557. *M. disseminatum Lk.*, sporidiis inspersis

conglomeratis subglobosis minutis atris pellucidis. — *Melanconium disseminatum Link spec. II.* 91.

Ad asseres semiputres passim.

1558. *M. sphaerosporum W.*, sporidiis minutis globosis atris pellucidis, ad grumulos ellipticos, primum hypophloeodeos dein profusos redactis. — *M. sphaerospermum Link sp. II.* 91. *Stilbospora sphaerosperma Pers. syn.* 97., *obs. myc. I. t.* 1. *f.* 6. *Alb. et Schw. nisk.* 53.

Ad graminum culmos, nec non ad fruticum (Frangulae) ramulos siccos, passim.

1559. *M. sphaeroideum Lk.*, sporidiis globosis minutis atris pellucidis, in grumulos semiglobosos undique effusos hemisphaericos, primum hypophloeodeos dein emersos compactis. — *M. sphaeroideum Link sp. I.* 92. *Stilbospora microsperma auct. et forsan ipsius Pers. obs. I. t.* 2. *f.* 3.

Ad ramulos arborum siccos passim.

1560. *M. microsporum Nees*, sporidiis minutis ovalibus pellucidis, ad grumulos epidermidem transigendo subconicos coactis. — *M. microsporum Nees. Spr. syst. IV.* 565.

In similibus cum praeced. locis, a quo vix differt.

1561. *M. bicolor Nees*, sporidiis subglobosis oblongisque minutis atris, in grumulos subrotundos colliculoso-elevatos, dein cubilia prominula (pseudostromatica) pallide-flavescentia denudantes congestis. — *M. bicolor Nees syst.* 32. *f.* 27. *Link sp. II.* 92. *M. discolor Schm. et Kz. D. Schw. n.* 157.

Ad ramos arborum, Betulae praeprimis et Alni dejectos, minime rarum. (Sphaeriam hypophloeoden haud inique refert.)

1562. *M. glomeratum Lk.*, sporidiis subglobosis minutis atris opacis laxis, in grumulos primum subrotundos dein effusos digestis epidermideque scissa cinctis. — *M. conglomeratum Link sp. II.* 92. *Dub. gall. II.* 884.

M. atrum Link obs. I. 3. t. 1. f. 7. Stilbospora conglomerata Link obs. II. 30. (aetates.) Stilbospora microsperma Link l. l. (sporidiis magis angulatis).

Ad ramos emortuos sepimentorum vulgare.

** *sporidiis majoribus.*

1563. *M. ovoideum Lk.*, sporidiis ovalibus opacis atris, in grumulos a vertice elevato inde sensim deplanatos congestis. — *M. ovoideum Link sp. II. 90.*

In similibus cum praecedente locis passim.

1564. *M. effusum Lk.*, sporidiis ovatis opacis atris, in stratum tenuatum laxe digestis. — *M. effusum Link sp. II. 91.*

In iisdem cum priore locis, a quo praeter crescendi modum plane non differre videtur.

1565. *M. apiocarpon Lk.*, sporidiis majusculis atris pellucidis obovatis, grumulos discoideos convexiusculos rotundos, epidermide scissa cinctos infarcientibus. *M. apiocarpum Link sp. II. 90.*

Ad arborum (Alnorum) truncos languentes, variis Germn. locis, nec tamen ubertim.

1566. *M. putredinis W.*, sporidiis subglobosis atris opacis majusculis, primum grumulos ovatos convexos nigrescentes constituentibus, dein effusis, cubilia longe lateque inquinantibus.

Ad ligna abietina fabrefacta, in humo uda congesta passim redit.

1567. *M. ovatum Lk.*, sporidiis magnis, e figura ovali magis minusve basi tenuatis pyriformibus atris pellucidis, ad grumulos primum convexos dein effuso-deplanatos congestis epidermidemque transfusam obliterantibus. — *M. ovatum Link sp. II. 90. Stilbospora ovata Pers. syn. 96., obs. myc. I. 31. t. 2. f. 6. Alb. et Schw. nisk. 53. St. pyriformis Hoffm. germ. t. 13. f. 4. Link obs. II. 30.*

Ad arborum languidarum corticem siccum, haud quidem rarum.

†† *moniliformes, sporidiis ovatis ovalibusque concatenatis, hyphasma moniliforme mentientibus, facile inter se secedentibus.*

176. OOSPORA W. *Eysporling.*

Sporidia subglobosa s. oviformia intricata pellucida, primum concatenata, hypham articulatam simplicem teneram decumbentem mentientia, articulisque inter se facile secedentibus fragilia.

(Oidium Lk. Oideum Schltd. (quorum loco Oosporam nuncupo.) Acrosporium Nees. Spr. Pers. Alysidium Kz.)

1568. *O. candida W.*, sporidiis laxe concatenatis simplicibus intricatis, grumulos primum hemisphaericos dein confluentes candidos sericeo-splendentes constituentibus, fragilibus in singulos articulos oblongis utrinque sensim tenuatos hyalinos sponte secedentibus. — *Torula fructigena Alb. et Schw. nisk.* 365. *Monilia fructigena Rebent. neom.* 394.

Ad poma sub dio putrescentia Thuring. (A sequente, colore candido catenulisque sporidiorum oblongis, utrinque tenuatis differre videtur.)

1569. *O. fructigena W.*, sporidiis concatenatis erectiusculis simplicibus intricatis, grumulos ochraceos tomentosos mentientibus, fragilibus in singulos articulos ovales secedentibus. — *Oidium fructigenum Link sp. I.* 122. *Kunz. et Schm. myk. Hft. I.* 80. *t.* 2. *f.* 22. *Dub. gall. II.* 932. *Acrosporium fructigenum Pers. myc. I.* 24. *Torula fructigena Pers. obs. I. t.* 1. *f.* 7. *Monilia fructigena Pers. syn.* 693.

Ad poma quaecunque, Pyra, Persica et Armeniaca, sub dio tectove putrescentia, haud rara.

1570. *O. moniliformis W.*, sporidiis concatenatis erectis simplicibus laxe aggregatis ex albo-flaventibus, in articulos singulos facile secedentibus. — *Oidium monilioides Link sp. I.* 122. *Dub. gall. II.* 922. *Acrosporium*

monilioides Nees syst. f. 49. *B. Pers. myc. I.* 23. *Monilia hyalina Fr. obs. I.* 210. *t.* 3. *f.* 4.

Ad folia culmosque graminum, exeunte aestate, passim. (*Linkius* cl. var. albam et flavicantem habet.)

1571. *?O. Uredinis W.*, sporidiis concatenatis erectis simplicibus dense aggregatis lateo-albis, in articulos singulos breves crassiusculos secedentibus. — *Oidium Uredinis Link sp. I.* 123.

Ad foliorum Rubi fruticosi paginam inferiorem, in consortio Erysibes, v. c. circa Berolinum. (*Ehrenberg.*) (Nondum vidi.)

1572. *O. aurea W.*, sporidiis concatenatis erectiusculis simplicibus parceve ramosis flavis, caespites parvos flavescentes mentientibus, dein in articulos singulos ovales secedentibus. — *Oidium aureum Link obs. I.* 16. *f.* 29. *Nees syst. f.* 44. *Link sp. I.* 121. *Dub. gall. II.* 931. *Acrosporium aureum Pers. myc. I.* 25. *Spr. syst. IV.* 556.

Ad truncos arborum putres passim.

1573. *O. fulva W.*, sporidiis concatenatis erectis simplicibus dense aggregatis fulvis, in articulos singulos ovales secedentibus. — *Oidium fulvum Link sp. I.* 121. *Acrosporium fulvum Pers. l. l. Alysidium fulvum Kunz. et Schm. myk. Hft. I.* 18.

In similibus cum priore locis, a qua forsan vix differt.

1574. *O. laxa W.*, sporidiis concatenatis erectiusculis divergenti-ramosis dense aggregatis gryseis, in articulos singulos ovales secedentibus. — *Oidium laxum Ehrenb. sylv.* 10. 22. *Link sp. I.* 123. *Acrosporium laxum Pers. myc. I.* 25.

Ad fructus Pruni Armeniacae putres. (*Ehrenberg.*)

1575. *O. subramosa W.*, sporidiis concatenatis erectiusculis parce ramosis dense aggregatis fusco-nigris, in articulos ovales demum secedentibus. — *Oidium subramosum Link sp. I.* 125. *Conoplea fusca Pers. myc. I.* 12.

Ad ramos dejectos fruticum (Rosarum praeprimis) circa Lipsiam. (*Kunze.*)

1576. *O. fuliginosa W.*, sporidiis concatenatis tenerrimis, in stratum crassum pulverulentum effusum aggregatis fuliginoso-olivaceis, dein in articulos globosos exiguos secedentibus.

Ad corticem Fraxini putridum Thuring. (*Wallr.*)

1577. *O. virescens W.*, sporidiis concatenatis subramosis dense aggregatis virescentibus, dein in articulos ovales secedentibus. — *Oidium virescens Link sp. I.* 124.

Ad folia dejecta alnea agri lips. (*Ehrenberg.*)

1578. *O. chartarum W.*, sporidiorum catenulis decumbentibus longe-late-tenuiterque effusis parce ramosis, cubilia subtiliter superinducentibus atris, dein in articulos singulos ovatos secedentibus. — *Oidium chartarum Link sp. I.* 124. *Stilbospora chartarum Ehrenb. sylv.* 10. 21. *Sporotrichum chartaceum Pers. myc. I.* 83.

Ad chartas qualescunque, locis humidis vel v. c. sub ollis udis reconditis ubique succrescit.

177. MONILIA LK. *Kettensporling.*

Sporidia ovato-oblonga utrinque tenuata compressa, massa sporacea striam longitudinalem opacam constituente foeta, hyphasma concatenatum elongatum mentientia, fragillima, demum secedentia.

(*Monilia Lk. nec Pers. Torula auct.*)

1579. *M. antennata Pers.*, sporidiorum catenulis elongatis compressis hyphasma catenulatum mentientibus, in pulvinos effusos pannosos atro-violaceos congestis, demum in articulos ovato-oblongos utrinque sensim tenuatos pellucidos, centro stria opaca inscriptos secedentibus. — *Torula antennata Pers. myc. I.* 21. *Dub. gall. II.* 931. *Monilia antennata Pers. syn.* 691. *Alb. et Schw. nisk.* 365. *Nees syst.* 71. *f.* 67. (*minus fida*). *Mart. crl.* 356. *nec Spr. Anleit. Dematium antennaeforme Hoffm. germ. t.* 13. *f.* 4.

Ad truncos caesos fagineos minime rara. (Juvenis ac imperfecta abjecta quasi et decipiens, perfecta insignis,

tum habitu pannoso s. sericeo atro-violaceo, tum sporidiis singulis ovato-oblongis mediotenus opaco-striatis oculos allicientes, et ab Oospora eadem indole diversa.)

†† *sporidiis continuis 1-pluriesve septatis.*

178. DIDYMOSPORIUM NEES. *Brillensporling.*

Sporidia septo transverso interstincta, didyma, oblonga, basi utraque aequalia, ad grumulos primum hypophloeodeos dein emersos rotundos congesta.

1580. *D. complanatum Nees*, sporidiis didymis minutis subglobosis atris, in grumulos subrotundos s. ellipticos deplanatos compactis dein inquinantibus. — *Didymosporium complanatum Nees syst. 33. f. 29. Link sp. II. 93. Dub. gall. II. 884. Stilbospora didyma Link obs. II. 30. St. conglutinata Link l. l. St. fugax Schm. et Kunz. D. Schw. n. 79.*

Ad ramulos, salicinos praeprimis virgultorum, agros et hortos sepientium Thuring. vulgare.

1581. *D. elevatum Lk.*, sporidiis oblongis didymis atris, in grumulos cubilia papillata obliterantes, dein effusos congestis. — *Didymosporium elevatum Link sp. II. 94. D. betulinum Grev. cr. t. 273. Dub. gall. II. 884. Melanconium betulinum Schm. et Kz. D. Schw. n. 208. Stilbospora spermatodes Link obs. II. 30. Stilbosp. microsperma Pers. syn. 96. pr. pr.*

Ad corticem Betulae et Fagi siccum passim.

179. ?TETRACOLIUM LK. *Gliedersporling.*

Sporidia quaterna in catenulam juncta, hyphasma torulosum depressum mentientia.

1582. *T. Tuberculariae Lk.*, sporidiorum catenulis nigris subcylindricis, Tuberculariae discum denigrantibus. — *Tetracolium Tuberculariae Link sp. I. 125. Torula Tuberculariae Nees in act. acad. Leop. IX. 247. t. 6. f. 16.*

Ad Tubercullariae vulgaris discum, prope Lipsiam lectum (*Kunze.*) (Mihi latet, quamvis ubique eandem Tubercullariam ascis Sphaeroboli inquinantis viderim obtextam, huic me hercule non dissimilem.)

180. HORMISCIUM KZ. *Schnursporling.*

Sporidia globosa pellucida in series continuas s. concretas concatenata, hyphasma torulosum mentientia, in grumulos exiguos epixylos condensata.
(*Torula Pers. Lk. Dub.*)

1583. *H. condensatum W.*, sporidiorum catenulis strictis tenerrimis pellucidis oblongatis, articulos globosos 14-20 jugiter conjunctos s. hyphasma bacillare mentientibus, grumulos ovato-oblongos tenuatos depressos maculares compactos fusco-castaneos informantibus. — *Hormiscium condensatum Kunz. in lit.*
Ad Coryli radices cortice denudatas aridas Thuring. (*W.*)

1584. *H. expansum Kz.*, sporidiorum catenulis simplicibus strictis nigris, articulos globosos 5-10 subpellucidos conjunctos mentientibus stratumque expansum constituentibus. — *Hormiscium expansum Kunz. myk. Hft. I.* 12. *Torula expansa Pers. myc. I.* 22. *Monilia expansa Spr. syst. IV.* 557.
Ad caules herbarum elatiorum humi jacentium, autumno passim.

1585. *H. compactum W.*, sporidiorum catenulis seriatis brevissimis oblongis utrinque parce attenuatis aggregatis, ex articulis 4 globosis pellucidis jugiter conjunctis compositis, grumulos convexiusculos parvos bruneos compactos constituentibus.
Ad ramorum salicinorum fines extremos, falce recisos Thuring. (*Wallr.*) (Grumuli minus pulverulenti, compacti Stilbosporae instar.)

1586. *H. laxum W.*, sporidiorum catenulis seriatis elongatis implexis tenerrimis subpellucidis, ex articulis 18-24 conjunctis compositis, hyphasma filiforme moni-

liforme fragile mentientibus, grumulos primum rotundos dein confluentes latissimos pulverulento-inquinantes aëneo-virides s. nigrescentes constituentibus. — *Sporidesmium Hormiscium Kunz. in lit.*

Ad Brassicae, Georginae caules putres agri Northusani (*Wallr.*) (Caute quidem ab Hormiscio genere distinguendum et Sporidesmium dicendum admonuit cl. *Kunze*. Aliam var. sporidiis duplo crassioribus, in strata velutina digestis diversam habeo.)

1587. *H. altum Ehrenb.*, sporidiorum catenulis variis rigidis obscuris atris, ex articulis ovalibus magnis compositis undique effusis. — *Hormiscium altum Ehrenb. sylv.* 10. 22. *Schltdl. berol.* 149. *Torula alta Pers. myc. I.* 24. *Monilia alta Spr. syst. IV.* 557.

Ad ramos putredine exesos, Alni praeprimis, passim.

181. SIRIDIUM NEES. *Kettensporling.*

Sporidia oblonga opaca, isthmis tenuato-filiformibus interceptis concatenata, grumulos rotundatos basi implexos constituentia. *Nees.*

1588. *S. marginatum Nees*, sporidiis oblongis, isthmis filiformi-constrictis interceptis basique similiter productis, in grumulos planos nigros epidermide cinctos implexis. — *Sciridium marginatum Nees syst.* 22. *f.* 19.

Ad Rosarum sylvestrium ramos German. austral. (*Höchstetter*), apud nos quoque passim redit.

182. PHRAGMIDIUM LK. *Keulenträger.*

Sporidia cylindrica clausa septis 3-6 opacis, totidem articulos interstinguentibus annulata, basin pellucidam continuam fistulosam exserentia ejusque ope ex epidermide (foliorum) vegeta subeuntia, fasciculata, grumulos liberos propexos mentientia.

(*Phragmidium Lk. Kz. Schltd. Aregma Fr. Puccinia Pers. Mart. Ascophora pr. pr. Tode.*)

1589. *Phr. mucronatum W.*, sporidiis ovato-ob-

longis, apice obtusis apiculatisve 3-5 annulatis, basi continua utrinque aequali capitulum aequante pellucida suffultis, grumulos fasciculatos nigrescentes constituentibus.

α. obtusum, sporidiis apice obtusis. — *Phragmidium obtusum Schm. et Kunz. D. Schw. n.* 120. *Link sp. II.* 886. *Aregma obtusata Fr. obs. I.* 225.

a. *Potentillae.* — *Puccinia Potentillae Pers. syn.* 229. *Alb. et Schw. nisk.* 381. *Grev. crypt. t.* 57.

b. *Fragariastri.* — *Puccin. Fragariastri DC. gall. VI.* 55.

c. *Ulmi.* — *Phragmidium Ulmi Dub. gall. II.* 886. *Puccinia Ulmi DC. gall. II.* 219.

β. apiculatum, sporidiis spice apiculatis. — *Phr. intermedium Link sp. II.* 85. *Dub. gall. l. l.*

a. *Potentillae vernae.*

b. *Sanguisorbae.* — *Puccinia Sanguisorbae DC. gall. VI.* 54.

c. *Poterii.* — *Phragmidium Poterii Wallr. in lit.*

Ad paginam pl. laud. inferiorem passim.

1590. *Phr. asperum W.*, sporidiis ovato-oblongis asperis, apice papillatis 3-4 annulatis majusculis opacis, in basin hyalinam subaequalem abrupte tenuatis eaque suffultis, grumulos insignes subrotundos pulvinatos nigro-violaceos inquinantes stipatos constituentibus.

Ad Rubi fruticosi folia hypogenum, v. c. in dumetis des Kyffhäuser's Thuring. (*Wallr.*)

1591. *Phr. incrassatum Lk.*, sporidiis oblongis 3-5 annulatis opacis, apice longius breviusque mucronatis, basi hyalina inaequali sensim incrassata bulbosa s. inflata suffultis, ad grumulos parvos liberos sparsos dein effusos digestis. — *Phragmidium incrassatum Link sp. II.* 85. *Dub. gall. II.* 886. *Puccinia mucronata Pers. syn.* 230.

α. Rosarum, sporidiorum basi inferiore abrupte inflata, appendicem fusiformem mentiente. — *Phragmidium mucronatum Schltd. berol.* 156. *Phr. incrassati var. 1. mucronata Lk. l. l. Aregma mucronata et acumi-*

nata Fr. l. l. Puccinia mucronata Nees syst. f. 14., var. α. Pers. Alb. et Schw. P. Rosae Schumach. Uredo mucronata Strauss. Ascophora disciflora β. byssina Tod. sect. I. 16. t. 3. f. 27.

β. Ruborum, sporidiorum basi inferiore sensim incrassata, appendicem cylindricam bulbosam mentiente. — *Phragmidium bulbosum Schltd. ber. l. l. Phr. incrassatum var. 2. bulbosa Link sp. II. 85. Aregma bulbosa Fr. obs. I. 226. Puccinia mucronata β. Pers. syn. 230. Alb. et Schw. nisk. 302. Puccinia Rubi Schumach. Uredo bulbosa Strauss. wett. annal. II. 108.*

Var. α. ad Rosas hortenses quascunque; β. ad Rubos nostrates hypophyllum, auctumno abundat, nec fere unquam Erysiben sociam immunem relinquit. In Rubo Idaeo sporidia saepius effunduntur et foliorum paginam gryseam reddunt.)

††† *striati, sporidiis folliculatis longitudinaliter striatis continuis.*

133. ENTOMYCLIUM WALLR. *Schwarzstrich.*

Sporidia fusiformia cylindrica continua subaequalia recta non septata libera epigena, intus massa sporacea conata, striam longitudinalem saturatiorem, folliculo utrinque pellucido inclusam mentiente repleta eaque veluti striata.

1592. *E. folliculatum W.*, sporidiis majusculis fusiformibus, intus stria longitudinali opaca notatis, in strata epicaula effusa congestis.

Ad Georginae caules putrescentes hortor. northusanor. rarius legi.

B. hypospori, sporidiis (besimina Neck. Hoffm.) figura et colore variis, primum hypophlocodeis s. epidermidis pellicula velatis, dein scissam revelantibus grumulosque emergentes s. emersos torsos discoideos, pro varia parenchymatis fabrica rotundos elongatosve informantibus, nunc simplicibus omnino iisque inter se con-

formibus (homocospora) s. difformibus (heterospora), nunc septatis geminatisve, nonnisi basi productiore veluti pedicellata suffultis, epidermidis fundo calloso superimpositis iisque demum inquinantibus, aufugis (phlocogeni) s. pulpae gelatinosae innatis tersis.

(Uredineae aecidineae et melanconieae Dub. pr. pr. Gymnomycetum series 1. pr. pr. et 2. Link. Coniomycetes suffulti et liberi Spr. syst. Epiphytarum gener. Lk. obs. a. phlocogeni, sporidiis ex ipso plantarum vegetarum parenchymate inde mutato succrescentibus et stromatis loco sporidochium magis minusve rotundatum, inter epidermidem scissam et mutatam informantibus. (Vegetabilia cum exanthematibus animalium comparanda, foliorum labem erysiboden partiumque sexualium et fructificantium metamorphosin irreparabilem parantia.)

184. SCHIZODERMA FR. *Schlitzsporling.*

Sporidia minuta globosa simplicia utrinque aequalis, cum pseudostromate granuloso conglutinata discoideo-erumpentia.

(Schizoderma Fr. orb. I. 194. Dub. nec Ehrenb. Hypodermium Lk.) (Locus generis in systemate dubius, forsan melius inter Sporom. myxogenos. Habitus Phacidiorum.

1593. *Sch. sparsum Dub.*, grumulis primum hypophloedeis oblongis parvis amphigenis sparsis, dein emersis, epidermide scissa cinctis atris. — *Schizoderma sparsum Dub. gall. II.* 885. *Hypodermium sparsum Link spec. II.* 88.

Ad folia Abietis et Pini passim.

1594. *Sch. sulcigenum Dub.*, grumulis linearibus oblongisque, primum epidermide elevata tectis, dein epidermide rupta sulcos replentibus fuscis. — *Schizoderma sulcigenum Dub. l. l. Hypodermium sulcigenum Link l. l.*

Ad folia sicca Pini sylvestris. *(Nestler.)*

1595. *Sch. nervisequum Dub.*, grumulis binis linearibus nervisequis hypogenis. *Dub. l. l. Hypodermium nervisequum Link l. l.*

Ad folia Abietum Alsatiae. *(Nestler.)*

r. l. l. *Puccinia mucronata Noes syst. f.* 14., *Pers. Alb. et Schw. P. Rosae Schumach. Uredo* ... *Strauss. Ascophora disciflora β. byssina Tod.* 16. *t.* 2. *f.* 27.

...orum, sporidiorum basi inferiore sensim incras... ...pondicem cylindricam bulbosam mentiente. — ...dium bulbosum *Schltd: ber. l. l. Phr. incrassa-* ... 2. *bulbosa Link sp. II.* 85. *Aregma bulbosa* ... *I.* 226. *Puccinia mucronata β. Pers. syn.* 230. ...*Schw. nisk.* 302. *Puccinia Rubi Schumach. Ure-* ...*na Strauss. wett. annal. II.* 108.

...*α.* ad Rosas hortenses quascunque; *β.* ad Rubos ... hypophyllum, auctumno abundat, nec fere un... ...ryoidem sociam immunem relinquit. In Rubo ...oridio saepius effundantur et foliorum paginam ... reddent.)

...*triati, sporidiis folliculatis longitudinaliter stri-* ...*tis continuis.*

ENTOMYCLIUM WALLR. *Schwarzstrich.*

...dia fusiformia cylindrica continua subaequalia ...a septata libera epigena, intus massa sporacea ...triam longitudinalem saturatiorem, folliculo utrin... ...cidio inclusam mentiente repleta eaque veluti

... *E. folliculatum W.*, sporidiis majusculis ...ibus, intus stria longitudinali opaca notatis, in ...picula effusa congestis.

...-marginae canies putrescentes hortor. northusa... ...ae legi.

...*yposporі, sporidiis (besimina Neck. Hoffm.)* ...*t colore variis, primum hypophloeodeis s. epi-* ...*pellicula velatis, dein scissum revelantibus gru-* ...*e emergentes s. emersos tersos discuideos, pro* ...*ecochymatis fabrica rotundos elongatosve infor-* ...*s, nunc simplicibus omnino iisque inter se con-*

formibus (homoeospora) s. difformibus (heterospora), nunc septatis geminatisve, nonnisi basi productiore veluti pedicellata suffultis, epidermidis fundo calloso superimpositis iisque demum inquinantibus, aufugis (phloeogeni) s. pulpae gelatinosae innatis tersis.

(Uredineae aecidineae et melanconieae Dub. pr. pr. Gymnomycetum series 1. *pr. pr. et* 2. *Link. Coniomycetes suffulti et liberi Spr. syst. Epiphytarum gener. Lk. obs. a. phloeogeni, sporidiis ex ipso plantarum vegetarum parenchymate inde mutato succrescentibus et stromatis loco sporidochium magis minusve rotundatum, inter epidermidem scissam et mutatam informantibus.* (Vegetabilia cum exanthematibus animalium comparanda, foliorum labem erysiboden partiumque sexualium et fructificantium metamorphosin irreparabilem parantia.)

184. SCHIZODERMA FR. *Schlitzsporling.*

Sporidia minuta globosa simplicia utrinque aequalia, cum pseudostromate granuloso conglutinata discoideo-erumpentia.

(Schizoderma Fr. orb. I. 194. *Dub. nec Ehrenb. Hypodermium Lk.)* (Locus generis in systemate dubius, forsan melius inter Sporom. myxogenos. Habitus Phacidiorum.

1593. *Sch. sparsum Dub.*, grumulis primum hypophloedeis oblongis parvis amphigenis sparsis, dein emersis, epidermide scissa cinctis atris. — *Schizoderma sparsum Dub. gall. II.* 885. *Hypodermium sparsum Link spec. II.* 88.

Ad folia Abietis et Pini passim.

1594. *Sch. sulcigenum Dub.*, grumulis linearibus oblongisque, primum epidermide elevata tectis, dein epidermide rupta sulcos replentibus fuscis. — *Schizoderma sulcigenum Dub. l. l. Hypodermium sulcigenum Link l. l.*

Ad folia sicca Pini sylvestris. *(Nestler.)*

1595. *Sch. nervisequum Dub.*, grumulis binis linearibus nervisequis hypogenis. *Dub. l. l. Hypodermium nervisequum Link l. l.*

Ad folia Abietum Alsatiae. *(Nestler.)*

185. CRYPTOSPORIUM KZ. *Gruftsporling.*

Sporidia fusiformia obscure-septata coacta hypophloeodea s. sub epidermide plantarum languidarum delitescentia.

(Cryptosporium Kunz. Fusarium Lk. Fusidium Spr.)

1596. *Cr. atrum Kz.*, sporidiis minutis curvis atris cellucidis compactis hypophloeodeis, ad grumulos ellipticos minutos congestis. — *Cryptosporium atrum Kunz. usk. Hft. I.* 1. *t.* 1. *f.* 1. *Link sp. II.* 96. *Schltd. berol. I.* 135. *Fusidium atrum Spr. syst. IV.* 569.

Ad culmos graminum, Caricum praeprimis, languidos, c. circa Lipsiam (*Kunze*), Berolinum (*Eisenhart. Link.*)

1597. *Cr. aurantiacum Lk.*, sporidiis aurantiacis hypophloeodeis curvis compactis aurantiacis, sub epidermide grumulos protuberantes dein irregulariter confluentes perficientibus. — *Cryptosporium aurantiacum Link l. Fusarium hypodermium Link obs. II.* 31.

Ad caules exsiccatarum herb. elatiorum, Umbelliferarum praeprimis agri wratislav. (*Link.*)

186. BULLARIA DC. *Bullensporling.*

Sporidia oblonga, medio constricta s. didyma, basi equalia, ad grumulos hypophloeodeos congesta.

1598. *B. Umbelliferarum DC.*, sporidiis oblongis, medio constrictis fuscis, grumulos hypophloeodeos abrotundos oblongosque praestantibus. — *Bullaria Umbelliferarum DC. gall. II.* 226. *Dub. gall. II.* 886. *Puccinia Bullaria Link sp. II.* 78. *Stilbospora bullata Link ibr. II.* 30. *Uredo bullata Pers. syn.* 222. *Alb. et Schw. usk.* 129.

Ad caules Umbelliferarum siccos. (Mihi latet, ab auctoribus aestumatissimis tamen receptum genus, a *Prosgniartio* Didymosporio subscriptum, tutius vero non solum ob locum natalem sed quoque ob sporidiorum et grumulorum hypophloeodeorum indolem separandum.)

187. PHYSODERMA W. *Blasenbrand.*

Sporidia simplicia sphaerica insignia ex massa sporacea opaca, parenchyma herbarum vegetarum penetrantia grumulosque convexos s. gibbosos epidermide velatos informantia.

1599. ***Ph. maculare W.***, sporidiis sphaericis magnis pellucidis fusco-luteis, grumulos ovales depressos immersos epidermide tenuissima velatos brunneos informantibus. Ad Alismatis graminei folia vegeta amphigenum, suis locis redit, v. c. in agro halens. et berolin. (*Wallr.*) (Macularum ovalium brunnearum epidermide hyalina jugiter obductarum illamque translucentium specie oculos allicit, et ex sporidiorum maximorum parenchyma subeuntium congerie mera constat.)

1600. ***Ph. gibbosum W.***, sporidiis sphaericis maximis, foetis praeter limbum hyalinum opacis, demum effoetis pellucidis aureo-flavicantibus, grumulos oblongos gibbosos, epidermide bullata obductos infarcientibus.

Ad caules et petiolos vegetos Aegopodii Podagrariae rarius, v. c. prope Heringam Thuring. (*Wallr.*) (Vegetabile paradoxon, cum Peridermio quasi analogon, cicatrices oblongas sparsas gibbosas, caulem colliculosum mentientes, epidermide jugiter obductas praestans, sub quibus sporidia innumera majora sphaerica, piscium ovulorum instar nidulantur, herbam ingressam mox languidam interficiens.)

1601. ***Ph. pulposum W.***, sporidiis sphaericis maximis folliculo sporuligero foetis subopacis, dein effoetis hyalinis pallide-virentibus, parenchyma pulposum infarcientibus grumulosque ovatos dein confluendo varicosos convexos epidermide velatos informantibus. — *Erysibe megalospora Wallr. in lit.*

Ad caules Atriplicis angustifolii et Chenopodiorum pr. Heringam Thuring. rarius. (Habitu pulposo, dum viget, sporidiisque pulpae recenditis desciscere videtur, nec tamen meliorem scio locum.)

188. ERYSIBE THEOPHR. *Schmutzbrand.*

Sporidia simplicia (neque septata neque didyma), inter figuram sphaericam oblongoque-cylindricam varia libera utrinque aequalia s. in basin filiformem inaequalem tenuata, in grumulos (*acervuli auct.*) primum sub summa epidermidis pellicula integra delitescentes, dein illam irregulariter raptam transeuntes concinne congesta inque parenchymate vegeto at mutato nidulantia.

(*Hypodermium Lk. obs. II. Cacoma Lk. obs. 1., spec. Schltdl. Uredo Pers. Strauss in annal. wetterav. II. 70. sqq. Spr. Dub. Lycoperdon L. Schrk. Ustilago et Rubigo Plin. Erysibe (Ἐρυσίβη) Theophr. hist. pl. VIII. 10. Tabernaem. Mentz. pugill. et Murray, qui in stirp. agri gotting. p. 25. anno 1770 primus hunc titulum, priscorum a superis male interpretatum et a me aptius restitutum (Verhandl. der Naturf. Fr. zu Berlin Tom. I. 1. p. 11.) ad haec vegetabilia insignienda transtulit.*)

† *leucosporae, sporidiis albis.* (*Albugo Ehrh. Pers. Cacoma candidum Nees.*)

1602. *E. sphaerica W.*, sporidiis sphaericis nonnisi utrinque compressis obsoleteque truncatis hyalinis albis, grumulos ovales convexos sparsos dein confluentes epidermide stipata diutius integra s. vertice perforata tectos infarcientibus, Compositas Cruciferasque potissimum infestantibus. — *Uredo candida Pers. syn. 223. excl. var. β. Cacoma candidum Nees syst. 16. f. 8. Link sp. II. 37. Uredo inaperta DC. gall. II 237. Aecidium candidum Gmel. S. N. 1437.*

α. *Cruciferarum*, spor. sphaericis. — *Uredo Cruciferarum DC. l. l. U. candida α. Thlaspeos et γ. Alyssi Pers. U. Cheiranthi Pers. Cacoma candidum α. Cruciferarum Schltdl. berol. 117. U. Thlaspi Sowerb.*

β. *Caryophyllacearum*, spor. rotundatis. — *Erysibe Arenariae marinae W. in lit.*

γ. *Compositarum*, spor. utrinque truncatis. — *Uredo cubica Strauss l. l. 86. t. 2. f. 3. Uredo Tragopogi DC.*

gall. l. l. U. obtusata Lk. U. candida β. Pers. Caeoma candidum b. Compositarum Schltdl.

Var. *α.* ad Cruciferas quascunque, Capsellam v. c. Bursam, Cheiranthum incanum, Arabides, Teesdalias, Iberides, Erysima, Brassicas, nulli, praeter petala, parti parcens; *β.* ad Arenariam marinam et mediam; *γ.* ad Scorzoneram octangularem, Inulam ensifoliam et Tragopogona minime rara.

1603. *E. quadrata W.*, sporidiis quadratis hyalinis albis, grumulos subrotundos gibbosos epigenos, epidermide stipata bullata integra velatos infarcientibus, Portulaceas infestantibus. — *Caeoma candidum Link. pr. pr., var. c. Portulacearum Schltdl. l. l. Uredo Portulacae DC. gall. VI.* 86. *Dub. gall. II.* 892.

Ad superiorem Portulacae oleraceae hortens. et Bliti (*Uredo Bliti Bernard. sicul. III.* 11.) foliorum paginam rarior. (Figura sporidiorum, aliquantum praecedente majorum rata constat.)

†† *chrysosporae, sporidiis flavis aureisve dein facile expallentibus, epidermidem obvelantem dein redintegrantibus. (Rubigo Pers. Rebent. nec Mart.)*

* *homocosporae, sporidiis omnibus conformibus.*

1604. *E. Cerealium W.*, sporidiis subglobosis exiguis flavis, grumulos amphigenos primum ovales dein oblongos, epidermide integra bullata demum longitudinaliter scissa tectos sparsos informantibus, Cerealia maxime infestantibus. — *Uredo Rubigo-vera DC. gall. VI.* 83. *Dub. gall. II.* 898. *Caeoma Rubigo Link sp. II.* 4.

Ad folia culmosque Cerealium cum E. lineari et Puccinia graminis abundat.

1605. *E. linearis W.*, sporidiis oblongis utrinque obtusis pellucidis flaventibus, in grumulos lineares longitudinales striaeformes tenues, primum hypophloeodeos dein epidermidis rima scissa ciuctos luteos congestis. — *Caeoma lineare Link sp. II. 4. Schltdl. berol.* 118. *Uredo linearis α. Pers. syn.* 216. *excl. syn. Sowerb. Dub.*

gall. II. 893. *U. frumenti Mart. mosq. Aecidium lineare Pers. olim. Lycoperdon linare Schrank bav.*

Ad folia vaginasque Graminearum maxime cerealium.

1606. *E. chrysoides W.*, sporidiis oviformi-subglobosis pellucidis, grumulos subregulares rotundatos dein epidermide scissa cinctos intense aureos praestantibus. — *Cacoma chrysoides Schltdl. ber.* 118. *U. circinnata Strauss l. l.* 88. *U. confluens γ. Alb. et Schw. nisk.* 121. *Ur. Orchidis Mart. mosq.* 229. *Cacoma Orchidum Link sp. II.* 9.

Ad Orchidis latifoliae et conopseae folia amphigena rarius.

1607. *E. limbata W.*, sporidiis subrotundo-oviformibus majusculis pallide-flaventibus, limbo opaco corculum pellucidum circumscribente cinctis grumulosque ovales oblongosque primum epidermide mox longitudinaliter scissa velatos infarcientibus.

α. Alliorum. — *Cacoma Scorodizon Schltdl. ber.* 118. *C. Alliorum Link sp. II.* 7. *Uredo Alliorum DC. gall. VI.* 82. *Dub. gall. II.* 892.

β. Iridis. — *?Uredo Iridis Dub. gall. II.* 898.

Ad Allia varia tum hortentia tum sylvestria Thuring. passim; *β.* ad Iridis gramineae et pumilae folia rarius.

1608. *E. variolosa W.*, sporidiis oviformibus majusculis aureo-flaventibus subopacis, grumulos distinctos subrotundos sparsos elevato-gibbosos, epidermide stipata dein vertice perforata velatos illaque dein residua redimitos, aream pallidam obsidentes infarcientibus, Liliacea infestantibus. — *Cacoma Lilii Link sp. II.* 8. *Uredo aecidiiformis Strauss l. l.* 94. *f.* 8. *?U. Prostii Dub. gall. II.* 892.

Ad Lilii candidi folia hortor. thuring. minime rara, quae hac tabe quotannis redeunte mox languent, nec unquam flores spondent.

1609. *E. Senecionis W.*, sporidiis subglobosis

opacis, grumulos subrotundos ovalesve, epidermide scissa cinctos pallide-ochraceos informantibus — *Caeoma Senecionis Schltdtl. ber. II.* 119. *Uredo Senecionis Schum. saell. U. farinosa β. Pers. syn.* 217.

Ad Senecionem viscosum et sylvaticum hypophylla.

1610. *E. betulina W.*, sporidiis ovatis pellucidis luteis, grumulos minutos convexos mammillares diu clausos infarcientibus. — *Caeoma betulinum Schltdtl. ber. II.* 119. *Uredo betulina Wahl. lapp. U. betulae Schum. U. populina β. Pers. syn. U. longicapsula β. betulina DC. gall. VI.* 85. *Dub. gall. II.* 895. *pr. pr. U. ovata β. Strauss l. l.*

Ad Betularum nostratium folia hypogena, passim.

1611. *E. oblongata W.*, sporidiis oblongis opacis flavis, grumulis ellipticis convexis, epidermide demum scissa velatis, maculae fusco-rufescenti insidentibus. — *Caeoma oblongatum Link obs. II.* 27. *Schltdl. berol. II.* 118. *Link sp. II.* 7.

Ad utramque foliorum Luzulae pilosae paginam passim.

1612. *E. cylindrica W.*, sporidiis oblongis utrinque obtusis pellucidis flavis majusculis punctato-maricu-latis, grumulos subrotundos ovalesve saepius confluentes hypophyllos bullatos informantibus. — *Caeoma cylindricum Schltdl.* 119. *Ur. populina α. Pers. syn.* 219. *Lycoperdon populinum Ehrh.*

Ad Populi balsamiferae et candicantis folia hypogena, sero auctumno, in hortis haud rara.

1613. *E. volvata W.*, sporidiis majusculis sphaericis opacis flaventibus, grumulos depressos subrotundos ovalesque, epidermide primum integra stipata bullata dein mediotenus fissa persistente volvata exceptos informantibus. — *Uredo Thesii Dub. gall. II.* 899. *Erysibe Thesii Wallr. in lit.*

Ad folia Thesii Linophylli Thuring. passim.

1614. *E. mammillaris W.*, sporidiis sphaericis

pellucidis pallido-flaventibus, grumulos hypophloeodeos circumscriptos parvos hemisphaericos prominulos, hinc maculam tenuem fuscam inscribentes, epidermide primum integra dein poro pertusa velatos infarcientibus. —

α. *Aristolochiae.* — *E. Aristolochiae Wallr.*

β. *Vincetoxici.* — *U. Vincetoxici Dub. gall.* 894.

γ. *Soldanellae.* — *Uredo Soldanellae DC. gall. VI.* 85. *Dub. gall. II.* 893.

Var. α. ad Aristolochiae Clematitidis folia juniora hypogena; β. in Cynancho Vincetoxico agri thuring.; γ. in Soldanella alpina rarius.

1615. *E. nitida W.*, sporidiis globosis mediocriter magnis pellucidis raris aureo-flaventibus, grumulos subrotundos adpressos tenuatos deplanatos pallide-lutescentes, cum epidermide subaequales, maculae luteae insidentes informantibus.

α. *Chaerophylli.* — *E. Umbelliferarum W.*

β. *Galii.* — *E. Galii W.*

Ad Chaerophylli sylvestris et Galii Molluginis folia passim in agro thuring.

1616. *E. polymorpha W.*, sporidiis e figura subglobosa subovalibus basi inaequalibus rubro-flaventibus, grumulos primum sparsos distinctos subrotundos, epidermide tectos dein illa cinctos confluentes informantibus. — *Uredo polymorpha Strauss l. l.* 88.

α. *Potentillarum.* — *Caeoma Potentillae Schltdl. berol. II.* 121. *Uredo Potentillae DC. gall. II.* 621. *U. Potentillarum DC. l. l. VI.* 80. *Dub. gall. II.* 894. *U. polymorpha δ. Strauss l. l.*

β. *Pyrolae.* — *Caeoma Pyrolae Link sp. II.* 15. *Schltdl. ber. II.* 122. *Uredo Pyrolae Mart. mosq. Aecidium Pyrolae Schultz starg. U. polymorpha ε. Strauss l. l.*

γ. *Agrimoniae*, grumulis dein confluentibus.

δ. *Saxifragarum.* — *Caeoma Saxifragarum Schltdl. l. l.* 121. *U. Saxifragarum Strauss l. l.* 87.

Ad folia plantarum dictarum minime rara.

1617. *E. Labiatarum W.*, sporidiis subglobos minutis flavis, granulos depressos pallido-flaventes sub rotundos, epidermide rupta cinctos informantibus. – *Uredo Labiatarum Dub. gall. II.* 900. (*pro phacospora*

α. Mentharum. — *Uredo Menthae Pers. syn.* 22 *U. Menthastri Link obs. II.* 27. *Accidium Menthae Sower*

β. Clinopodii. — *U. Clinopodii auct.*

γ. Thymi. — *U. Labiatarum γ. Thymi Acinos D gall. VI.* 72.

Ad folia pl. 1. paginam inferiorem passim.

1618. *E. pustulata W.*, sporidiis e figura subgl bosa ovalibus exiguis pellucidis dilute-flaventibus, gru mulos rotundos distinctos sparsos dein subaggregato confluentes, parvulos, epidermide stipata diu velatos cen troque primum mamillata dein pertusa exceptos pallidc cum rosa debili flaventes informantibus. — *Cacom Onograrum Link sp. II.* 29. *Uredo pustulata Pers. sy* 219. *DC. gall. VI.* 85. *Dub. gall. II.* 894. *U. ovat Strauss.*

α. Epilobiorum. — *U. pustulata α. Epilobii Pers. Dul*

β. Caryophyllacearum. — *U. pustulata Cerastii Per Cacoma Caryophyllacearum Link l. l.* 26. *C. Cerast Schltdl. l. l.* 121.

γ. Circaeae. — *U. Circaeae Alb. et Schw. nisk.* 12

δ. Vacciniorum. — *U. pustulata γ. Vacciniorum Alb. et Schw. l. l. Dub. l. l. Cacoma Vacciniorum Lin l. l.* 15.

ε. Vincae. — *Cacoma Vincae Link l. l.* 14. *Uredo Vincae DC. gall. VI.* 70.

ζ. Padi. — *Cacoma Padi Nees in lit. Uredo Pad Schm. et Kz. D. Schw. n.* 187. (*quam Linkius ad C Porphyrogeneta transfert.*)

Var. *α.* in Epilobio roseo, palustri et parviflore; *β.* i Cerastio vulgato et Stellariis; *γ.* in Circaea lutetian

passim; s. in Vinca minore rarius; ζ. in Pruno Pado rarius ad foliorum paginam aversam variis German. l.

1619. *E. Alchemillae W.*, sporidiis e figura subglobosa ovalibus opacis, primum pallido-flaventibus dein saturatioribus fere fuscescentibus, grumulos ovales, epidermide pallida primum velatos dein rimosa revoluta cinctos informantibus. — *Caeoma Potentillarum v. Alchemillae Schltdl. Dub. Link. Uredo Alchemillae Pers. syn.* 215.

Ad Alchemillae vulgaris folia inde immiuuta et complicata hypogena Hercyn. passim.

1620. *E. Ledi W.*, sporidiis subglobosis opacis copiosissimis, primum flavis dein aurantiacis, grumulos majores sparsos confertosque subellipticos crassiusculos, epidermide rupta cinctos informantibus. — *Caeoma Ledi Link sp. II.* 15. *Schltdl. l. l.* 122. *Alb. et Schw. nisk.* 125.

Ad folia Ledi palustris hypogena (*Albertini et Schweiniz.*) (Nondum vidi.)

1621. *E. Empetri W.*, sporidiis oviformibus flavis, grumulos sparsos majusculos ovales hypogenos, epidermide dein rupta cinctos informantibus. — *Caeoma Empetri Link l. l.* 16. *Uredo Empetri DC. gall. VI.* 87. *Dub. l. l.* 892.

Ad Empetri nigri folia rarius.

1622. *E. Rhododendri W.*, sporidiis subglobosis effusis flavis, grumulos minimos planos confertos subrotundos hypogenos epidermide rupta cinctos, maculas hinc fuscas relinquentes conciuuantibus. — *Caeoma Rhododendri Link sp. II.* 16. *Uredo Rhododendri DC. gall. VI.* 86. *Dub. l. l.* 893.

Ad Rhododendri ferruginei folia alpium German. austral. (*Ehrenberg.*)

1623. *E. Hypericorum W.*, sporidiis subglobosis pellucidis pallido-aurantiis, grumulos parvos sparsos orbiculares primum convexos, dein concavos epidermide

rupta cinctos informantibus. — *Cacoma Hypericorum Schltdl. l. l.* 122. *U. hypericorum DC. gall. VI.* 81. *Dub. l. l.* 895. *U. Androsaemi DC. encycl.*

Ad folia Hypericorum variorum, praeprimis H. humifusi.

1624. *E. Symphyti W.*, sporidiis subglobosis pellucidis pallido-aurantiis, grumulos exiguos largiter dispersos rotundos dein confluentes, epidermide reclinata cinctos informantibus. — *Cacoma Symphyti Schltdl. l. l.* 122. *Uredo symphyti DC. Dub. l. l.*

Ad Symphytum officinale hypophyllum passim.

1625. *E. Rosae W.*, sporidiis subglobosis ovalibusve magis minusve pellucidis, grumulos exiguos sparsos, epidermide cinctos viridi-flaventes, maculae angustae luteae insidentes informantibus. — *Cacoma Rosae Schltdl. l. l.* 120. *Uredo Rosae Pers. syn.* 215.

Ad Rosarum sylvestrium et hortensium folia hypogena cum aliis ejusmodi epiphytis.

1626. *E. Ruborum W.*, sporidiis subglobosis pellucidis, grumulos sparsos primum subglobosos exiguos dein majores confluentes, maculae aurantiae s. atro-purpureae insidentes luteo-aurantios informantibus. — *Cacoma Ruborum Schltdl. l. l.* 120. *U. Ruborum DC. gall. U. Rubi fruticosi Pers. syn.* 218. *U. effusa δ. Strauss l. l.* 88.

Ad Ruborum nostratium folia hypogena.

1627. *E. miniata W.*, sporidiis subglobosis subovalibusque pellucidis miniato-aurantiacis, grumulos mole varios saepe demum confluendo insignes (in alabastris) tumidulos dein epidermide rupta cinctos largiter infarcientibus.

α. Rosarum. — *Cacoma miniatum Schltdl. l. l.* 120. *C. Rosae var. 2. miniata Link sp. II.* 30. *Uredo miniata Pers. syn.* 216. *U. effusa α. β. Strauss l. l. U. elevata Schum. U. Eglanteriae Mart. mosq. U. pinguis DC. gall. II.* 235. *Dub. gall. II.* 894. *Aecidium Rosae Roehl. germ. III.* 517. *Lycoperdon subcorticinum Schrk.*

β. Ulmariae. — *Uredo Ulmariae Mart. mosq. U. Spiraeae Sowerb. fung. t.* 398.

Ad Rosas quascunque patruas iisque valde inimica, nulli propemodum, praeter petala parti parcens; *β.* ad folia Spiraeae Aruncі passim, plerumque nervisequa, nervos obesos contrahens demumque rumpens.

1628. *E. fulva W.*, sporidiis subglobosis ovalibusque opacis, primum laete aurantiacis dein pallentibus, grumulos subrotundos parvos sparsos saepius in orbem aggregatos dein confluentes epidermidemque cingentem obliterantes informantibus. — *Caeoma compransor Schltdl. l. l.* 119. *Uredo circinalis var. Strauss l. l. U. tuberculosa Schum. U. fulva Schum.*

α. Sonchorum. — *U. Sonchi Schum. U. Sonchi arvensis Pers. syn.* 217.

β. Tussilaginum. — *U. Petasitis DC. U. Tussilaginis Pers. syn.* 218.

Ad Sonchorum et Tussilaginum nostratium folia hypogena satis frequens.

1629. *E. confluens W.*, sporidiis subrotundis ovatisque pellucidis flavis, grumulos circumscriptos dein confluendo irregulares depressos, epidermidem reclinantes, fuquinantes laete-aurantias praestantibus. — *Caeoma confluens Schltdl. l. l.* 123. *Uredo confluens DC. Pers. U Mercurialis Mart. mosq.*

Ad Mercurialis perennis folia passim.

1630. *E. Rhinanthacearum W.*, sporidiis subrotundis ovalibusve magis minusve pellucidis flavescentibus, grumulos varios demum confluentes planos obesos laete croceos, epidermide scissa cinctos informantibus. — *Caeoma Rhinanthacearum Link obs. II.* 28. *Schltdl. l. l.* 122. *Uredo ringentium Mart. mosq. U. confluens Alb. et Schw. nisk.* 122.

α. Euphrasiae. — *Uredo Euphrasiae Schumach. Rebt.*

β. Melampyri. — *U. Melampyri Rebent. neom.*

γ. Rhinanthorum. — *U. confluens δ. Alb. et Schw. l. l.*

Ad Euphrasiarum et Melampyrorum nostratium folia, caules ac calyces frequenter.

1631. *E. tremellosa W.*, sporidiis subrotundis pellucidis, grumulos primum sparsos demum confluendo irregulares, epidermide primum in massam tremellosam coactam aurantio-flavam stipata tectos, veluti tremellosos infarcientibus illamque demum scariosam ambeuntem ruptam revelantibus. — *Cacoma Campanulae Schltdl. l. l.* 121. *C. Campanularum Link sp. II.* 16. *Uredo Campanulae Pers. syn.* 212. *Alb. et Schw. nisk.* 124. *Dub. gall. II.* 894. *Uredo tremellosa β. Strauss l. l.* 90. *Mart. crl.* 317.

Ad Campanulas plures, C. Trachelium praeprimis tamen et rapunculoiden aestate infestans.

1632. *E. insculpta W.*, sporidiis globosis conformibus magnis aurantio-flavis, primum insculptis dein epidermidem circinatim elevantibus grumulosque distinctos hemisphaericos mammaeformes stipatos clausos, demum vertice perforatos informantibus.

α. Sedorum, grumulis minoribus magisque depressis. — *Uredo Sedi DC. gall. II.* 227., *VI.* 69.

β. Sempervirorum, grumulis umbonatis hemisphaericis mammaeformibus diu clausis. — *Cacoma Sempervivi Link sp. II.* 27. *Uredo ovata Strauss l. l.* 94. *U. sempervivi Alb. et Sch. nisk.* 126.

Var. *α.* in Sedo Telephio; *β.* in Sempervivo tectorum Thuring. suis locis haud quidem rara, aliis rarissima. Vere. (Folia ingressa majora pallescunt, primum belle rubent, dein vero ex grumulorum ubertate tabescunt ac corrugantur. Prima initia subtilissima, sphaerica, instar punctiformia fusca, dein dilatantur, halone aureofusco circumscribuntur et umbones hemisphaericos epidermide stipata obductos, sporidiis farctos dein apice pertusos fingunt et Aecidium plane aemulantur.)

** *heterosporae, sporidiis inter se difformibus.*

1633. *E. gyrosa W.*, sporidiis flavis, aliis subglo-

bosis, aliis pyriformibus, grumulos minutos flaventes sparsos in orbem angustum centro depressum confluentes, epidermide rupta cinctos praestantibus. — *Cacoma gyrosum Schltdl. l. l.* 121. *Uredo gyrosa Rebent. ncom.* 355. *t. 3. f.* 13. *U. Rubi Idaei Pers. syn.* 218. *U. Idaei Mart. mosq.*

Ad Rubum Idaeum epiphylla, rarius.

1634. *E. Populi W.*, sporidiis flavicantibus, aliis subrotundis in basin longam productis, aliis oblongis utrinque obtusis, grumulos sparsos raro confertos, epidermide demum vertice perforata obductos informantibus. — *Cacoma Populi Schltdl. l. l.* 123. *Uredo longicapsula α. DC. gall. II.* 233., *VI.* 85. *Dub. gall. II.* 895. *excl. var. β. et syn. Pers. U. populina Schum. U. ovata α. Strauss l. l.* 92.

Ad folia Populorum patruarum hypogena rarius etiam amphigena.

1635. *E. Pulsatillae W.*, sporidiis opacis flaventibus, aliis subglobosis ovoideisve, aliis elongatis utrinque obtusis, grumulos sparsos orbiculares convexos stipatos flavos, epidermide bullata integra velatos praestantibus. — *Uredo tremellosa v. Pulsatillae Strauss l. l.* 89. *U. Pulsatillae Steud. Dub. gall. II.* 895. *U. Delphinii W.*

Ad Anemonen Pulsatillam hypophylla.

1636. *E. aecidiiformis W.*, sporidiis aliis subglobosis, aliis clavatis obtusis, grumulos pallide-aurantios subrotundos oblongosve sparsos nonnisi confertissimos, epidermide scissa cinctos praestantibus. — *Cacoma aegirinum Schltdl. l. l.* 123. *Link sp. U. Acherois Spr. syst. U. aecidioides DC. gall. II.* 236. *Dub. gall. II.* 895. *U. effusa γ. Strauss l. l.* 91.

Ad utramque Populi albae foliorum paginam.

1637. *E. areolata W.*, sporidiis pallide-flaventibus, aliis e figura globosa ovalibus, aliis oblongis utrinque obtusis, grumulos latescentes rotundos pertenues, epider-

mide lacera hyalina cinctos pertenues depressos obsidentibus.

Ad Allii Porri folia amphigena Thuring.

1638. *E. mixta W.*, sporidiis lutescentibus, aliis subrotundis in basin brevem tenuatis, aliis ovato-oblongis utrinque obtusis, grumulis subrotundis demum confluentibus effusis laete-aurantiis, epidermide rupta cinctis. — *Caeoma mixtum Link obs. II.* 28., *sp. II.* 40. *excl. syn. DC. Schltdl. l. l.* 124. *Uredo mixta Steud. Dub. gall. II.* 895.

Ad Salicum patruarum folia hypogena indeque ad varias partes herbaceas aberrans, suis locis haud rara, aliis plane deficiens.

1639. *E. Vitellinae W.*, sporidiis aurantiis, aliis subrotundis in basin tenuatis subpyriformibus, aliis subovalibus, grumulis distinctis subrotundis epidermide scissa cinctis, hinc maculam lutescentem relinquentibus. — *Caeoma saliceti Schltdl. l. l.* 124. *Link sp. II.* 41. *Uredo Vitellinae DC. gall. II.* 231.

Ad Salicem albam et fragilem hypophylla.

1640. *E. epitea W.*, sporidiis flavis, aliis subrotundis in basin longam abrupte tenuatis, aliis elongato-pyriformibus, grumulis exiguis dispersis hemisphaericis, epidermide rupta annulatim cinctis — *Caeoma epiteon Schltdl. l. l.* 124. *Link sp. II.* 41. *Uredo epitea Kunz. myk. Hft. I.* 68. *Dub. gall. II.* 896. *?U. orbicularis Mart. erl.* 318.

Ad Salicem triandram et viminalem hypophylla.

1641. *E. Capraearum W.*, sporidiis flaventibus, aliis subglobosis, aliis pyriformibus in basin brevem tenuatis cum aliis ovato-subglobosis raritet interspersis, grumulis subrotundis sparsis planiusculis aurantio-flavis demum vacuis, epidermide rupta cinctis. — *Caeoma Capraearum Schltdl. l. l.* 124. *Link l. l.* 41. *Uredo Capraearum DC. gall. VI.* 80. *U. farinosa a. Pers. syn.* 217.

Ad Salicem Capraeam et auritam hypophylla, rarius ipsos ramulos novellos, pilis occultata infestans.

1642. *E. Helioscopiae W.*, sporidiis his pyriformibus, aliis subglobosis pedicellatis, aliis subglobosis utrinque aequalibus interspersis aurantiis, grumulis rotundis dispersis convexis demum confluentibus, epidermide cinctis. — *Caeoma Helioscopiae Schltdl. l. l.* 125. *C. Euphorbiarum Link sp. II.* 39. *pr. pr. Uredo Helioscopiae DC. gall. II. Pers. syn.* 215. *U. Euphorbiae Rebent. U. polymorpha γ. Strauss.*

Ad Euphorbiae Cyparissiae, Helioscopiae et palustris folia hypogena, nec ab aliis partibus aliena.

1643. *E. Poterii W.*, sporidiis aurantiis, aliis majoribus cylindricis curviusculis utrinque obtusis, aliis subglobosis, grumulis exiguis sparsis subrotundis convexis, epidermide stipata cinctis. — *Caeoma Poterii Schltdl. l. l.* 125. *Uredo potentillarum ε. DC. gall.*

Ad Poterii Sanguisorbae folia hypogena.

1644. *E. Lini W.*, sporidiis aurantiis, aliis subrotundis, aliis pyriformibus in basin brevem tenuatis cum subrotundis intermixtis, acervis subrotundis sparsis convexis, epidermide cinctis. — *Caeoma Lini Link obs. II.* 28. *Schltdl. l. l.* 125. *Uredo Lini DC. U. miniata β. Pers. syn.* 216. *U. polymorpha η. Strauss.*

Ad Linum catharcticum vulgaris. (Trias ultima aliis potius subscribenda.)

1645. *E. Filicum W.*, sporidiis his globosis, aliis oviformibus angulatis, aliis iterum cuneiformibus, mole figuraque polymorphis prorsus pellucidis aureo-flavicantibus, grumulis primum ovatis oblongisque sparsis convexis clausis dein saepe confluentibus, maculae fulvae insidentibus.

α. microspora, sporidiis mediocriter magnis minus polymorphis, inter figuram globosam oviformemque variis cum cuneiformibus paucissimis intermixtis, grumulis oblongis dispersis. — *Caeoma Filicum Link sp. II.* 36.

Uredo Polypodii DC. gall. VI. 81. *Dub. gall. II.* 893. *U. linearis β. Polypodii Pers. syn.* 217. *t.* 4. *f.* 9. 10.

β. macrospora, sporidiis maximis, valde polymorphis, globosis, oviformibus angulatis, subpyriformibus cuneatisque copiosissimis, demum integram paginam obliterantibus. — *Erysibe P. calcarei W. in lit.*

Ad frondium Polypodii fragilis et calcarei paginam inferiorem, Hercyn. infer. et Thuring. passim. (Eximia sp., tum sporidiorum in eodem grumulo varietate, tum eorum mole.)

††† *phacosporae*, *sporidiis demum fusco-brunneis.* (*Nigredo Pers. Rebent.*)

* *sporidiis omnibus conformibus s. aequalibus.*

1646. *E. formosa W.*, sporidiis subglobosis cinnamomeis, grumulis semiglobosis-minutis cum ordine quodam dispersis, maculam pallidam occupantibus. — *Cacoma formosum Schltdl. l. l.* 127. *Uredo maculosa Strauss l. l.* 101.

Ad Prenanthen murorum hypophylla, rarius.

1647. *E. Silenes W.*, sporidiis ovoideo-globosis opacis cinnamomeis, grumulis subrotundo-ovatis convexis irregularibus. — *Cacoma Silenes Schltdl. l. l.* 128.

Ad Silenen chlorantham hypophylla agri berolin. *Schltdl.*

1648. *E. Flosculosorum W.*, sporidiis subglobosis opacis rubro-fuscis, grumulis minutis adpressis parce prominulis subrotundis sparsis. — *Cacoma ephialtes Schltdl. l. l.* 126. *Uredo cichoreaccarum DC. U. flosculosorum Alb. et Schw. U. apiculata et Uromyces apiculatus Link obs. pr. pr.*

Ad Hieracia nostratia, Taraxaca, Centaureas, Lapsanas, Cnicos aliosque flosculosos cum reliquis epiphytis passim intercurrens.

1649. *E. suaveolens W.*, sporidiis exacte globosis majusculis subpellucidis fusco-brunneis, grumulis primum subrotundis adpressis epidermide lacera cinctis dein

confertissimis confluentibus, integram saepius paginam obliterantibus et inquinantibus. — *Caeoma suaveolens Schltdl. l. l.* 127. *Link sp. II.* 19. *Uredo suaveolens Pers. syn.* 221. *U. Serratulae Schum. U. obtegens Lk. obs. I.* 27. *Mart. erl.* 320.

Ad Serratulae arvensis folia hypogena abundat.

1650. *E. cinnamomea W.*, sporidiis subglobosis parcissimeve in basin attractis pellucidis, primum pallidis dein rufis, grumulis ovatis oblongisque tenuibus deplanatis exiguis copiosissimis, epidermide hyalina lacera cinctis, inferiorem folii partem inquinantibus.

α. Polygonorum. — *Caeoma Polygonorum Link sp. II.* 10. *Uredo Polygonorum DC. Dub. U. Centumnodii Schumach. saell. II.* 231.

β. Convolvuli. — *Uredo Convolvuli Strauss l. l.* 96. *U. Betae β. Convolvuli Pers. syn.* 22. *Alb. et Schw.* 127.

γ. Rumicum. — *U. Rumicum auct. U. Acetosae Schum. l. l. C. apiculosum Link pr. pr.*

δ. Violarum. — *U. Violarum DC. gall. VI.* 73. *Dub. l. l.* 899. *Caeoma Violarum Link l. l.* 25. *pr. pr.*

ε. Betarum. — *Caeoma Betarum Link sp. II.* 11. *Uredo Betae Pers. syn.* 220. *U. cincta Strauss. Mart.*

ζ. Fabarum. — *Caeoma Leguminosarum Link l. l.* 34. *Schltdl. l. l.* 127. *pr. pr. Uredo Viciae Fabae DC. U. cincta var. Fabae Strauss l. l.* 95. *Mart. erl.* 319.

η. Viciarum. — *E. Leguminosarum W. in lit.*

θ. Trifoliorum. — *U. Trifoliorum DC. gall. VI.* 66.

ι. Phascolorum. — *U. Phascolorum auct. pr. pr.*

κ. Valerianae. — *E. Valer. officinalis W.*

λ. Cichoraccarum — *?U. Cichoraccarum DC. l. l.*

Ad plantas laud. satis vulgaris, cautius tamen ab E. rostellata dignoscenda et alias plures excipiens.

1651. *E. Genistarum W.*, sporidiis ovoideis fuscis pellucidis, grumulis orbiculatis oblongisve minutis spar-

sis epidermide cinctis. — *Uredo Genistarum Dub. gall. II.* 898.

Ad Genistas nostrates passim. (Praecedenti subscr.)

1652. *E. Armeriae W.*, sporidiis ovoideis subopacis pallide-cinnamomeis, grumulis oblongis dein confluentibus, subdepressis. — *Caeoma Armeriae Schltdl. l. l.* 126. *Uredo Armeriae Dub. l. l.* 899.

Ad Armeriam vulgarem passim.

1653. *E. circinalis W.*, sporidiis ovoideis subcohaerentibus, grumulos subrotundos epidermide scissa cinctos fuscos dein confluentes constituentibus. — *Caeoma Ribesii Link sp. II.* 28. *Uredo circinalis Strauss l. l.* 86.

α. Ribis. — *Uredo Ribis Chevaill. paris. I.* 400. *Dub. gall. II.* 898. *U. confluens δ. Ribesii Alb. et Schw. nisk.* 122. *DC. VI.* 86.

β. Evonymi. — *Uredo Evonymi Mart. mosq.* 230.

Ad Ribes alpini et Evonymi europaei folia apud nos rarius.

** *sporidiis difformibus, aliis sphaericis, aliis basi magis minusve productis.* (*Uromyces Link obs.*)

1654. *E. muricella W.*, sporidiis majusculis pallide-cinnamomeis subdifformibus plerisque exacte oviformibus utrinque obtusis, paucioribus basin sensim producentibus vesiculoso-picturatis extus tenuissime muriculatis, grumulis subrotundis ovalibusque sparsis fusco-cinnamomeis cum epidermide tenui cingente emersis. — *Caeoma Umbellatarum Link sp. II. II.* 23.

α. Apii. — *E. Apii Wallr. in lit.*

β. Conii. — *? Uredo Conii Strauss l. l.* 96. *Mart. erl.* 319.

γ. Cynapii. — *U. Cynapii DC. gall. VI.* 72.

Ad plantarum l. folia, quae ingressa languent et ocius contabescunt. Auctumno. (Synonyma auct. dubia; laudant enim sporidia elliptica, nonnisi septulo obsoleto distincta. Nostra inter se congruunt.)

1655. *E. rostellata W.*, sporidiis difformibus, aliis e figura subglobosa ovalibus utrinque obtusiusculis, aliis hinc in basin brevem illi duplo breviorem abrupte productis s. apiculato-rostellatis, grumulis primum subrotundis, epidermide tenui obductis scutellaribus, mole variis dein facile confluentibus illamque circumducentibus s. reclinantibus variolosis fusco-brunneis, inquinantibus. — *Caeoma apiculosum Link sp. II. 32. pr. pr. C. apiculatum Schltdl. l. l.* 128.

α. Phyteumatis, grumulis subrotundis sparsis elevatis, epidermidem cingentem reclinantibus. — *Uredo Phyteumatum DC. gall. VI.* 65. *Dub. l. l.* 897.

β. Ficariae, grumulis subrotundis aggregatis epidermide obductis, maculae pallidae insidentibus dein confluentibus. — *Caeoma Ranunculaceae rum Link sp. II. 23. excl. syn. pl. Schltdl. l. l.* 127. *Uredo Ficariae Alb. et Schw. nisk.* 128. *DC. gall. VI.* 65. *Puccinia Ficariae DC. gall. VI.* 65. *Puccinia Ficariae DC. gall. II.* 225.

γ. Leguminosarum, grumulis ovato-subrotundis, primum sparsis maculae luteae insidentibus clausis, dein confluentibus insignibus illam obliterantibus. — *Uredo Fabae Dub. gall. II.* 897. *pr. pr. Puccinia Phaseoli Rebent. neom.* 356. *U. Phaseoli Strauss l. l.* 98. *Nees syst. f.* 10. *U. Trifolii, Orobi, Hedysari et Laburni DC. gall. VI.* 63. *pr. pr. U. Pisi auct. qrd. (quae omnia ab E. cinnamomea et ab E. appendiculata caute dignoscantur.)*

δ. Euphorbiarum, grumulis primum distinctis scutellaribus dein confluentibus foliumque lineare angustum contrahentibus. — *Caeoma scutellatum Schltdl. l. l.* 128. *C. scutellosum Link sp. II.* 35. *Uredo scutellata Pers. syn.* 220. *Alb. et Schw.* 127. *U. Euphorbiae Cyparissiae Pers. pr. pr. Aecidium scutellatam Gmel. Lycoperdon scutellatum Schrk. bav. II.* 631.

ε. Geraniorum, grumulis sparsis, hinc maculam rubram relinquentibus. — *Caeoma Geranii Schltdl. l. l.* 128. *Lk. l. l.* 25. *Uredo Geraniorum DC. gall. VI.* 73.

ζ. Ornithogali, grumulis ovato-oblongis epidermide

diu clausis turgidis. — *Caeoma Ornithogali Schltdl. l.* 125. *Link l. l.* 7. *Uredo Ornithogali Schm. et Kun ?U. Asphodeli DC.*

η. Lilii, grumulis ovato-oblongis, epidermide diu latis turgidis dein in sporidia majuscula fatiscentibus. *Erysibe Lilii Wallr. in lit.*

Ad folia pl. l. plerumque hypogena, passim quoq amphigena, minime rara. (Optime cum E. cinnamom pallidiore tamen comparatur. Bases rostratae nonn bipartiuntur, bicornes.)

1656. *E. appendiculata W.*, sporidiis ovatis o longatisque subpellucidis, plurimis in basin illo du longiorem pellucidam sensim productis, habitum pyrifo mem s. longe pedicellatum mentientibus, grumulis p mum subrotundis compactis, epidermide tenuata gry obductis dein plerumque confluentibus illamque obli rantibus rufo-fuscis. — *Caeoma appendiculosum Li sp. II.* 33. *excl. syn. Nees. C. appendiculatum Schlt l. l.* 129. *Uredo appendiculata Pers. syn.* 222. *D gall. II.* 897.

α. Arenariae, grum. rariter dispersis convexis. *Uredo sparsa Schm. et Kunz. D. Schw. n.* 170. *Caeo sparsum Link sp. II.* 25.

β. Alliorum, grum. oblongis epidermide tenui gry velatis dein effusis. — *Caeoma ambiguum Link l. l. Uredo ambigua DC. gall. VI.* 64. *Dub. l. l.* 897.

γ. Limonii, grumulis bullatis. — *Uredo Limonii D gall. II.* 897. *Puccinia Limonii DC. gall. II.* 596.

δ. Fabae, grum. amphigenis s. epicaulis, epidermid demum obliterantibus. — *Uredo et Caeoma appendic latum auct. qrd.*

Var. *α.* ad Arenariam mediam circa Artern Thurin *β.* ad Allium Scorodoprason; *γ.* ad Staticen Limoniu *δ.* ad Viciae Fabae folia et caules, in quibus grum epidermide diu velantur. (Synonyma aegre laudantur, a praecedente aliena.)

†††† *elaeosporae, sporidiis subglobosis conformibus, mole et colore variis, nunc mediocriter magnis, nunc minutissimis iisque nunc olivaceo-nigris grumulos nigros nentientibus, nunc dilutius saturatiusve violaceis s. purpurascentibus, varias pl. ipsius fructificationis et floris partes infestantibus, habitumque placentarem baccatumve inducentibus. (Uredines spor. violaceo-nigris, violaceis s. olivaceis Schltdl. C. Ustilago Pers. Rebent. Mart.)*

* *macrosporae, sporidiis majusculis, corculo opacis, limbo pellucido arillatis, nonnisi minus exacte globosis.*

1657. *E. arillata W.*, sporidiis subrotundis angulatis, corculo opacis, limbo tenui pellucido corrugato circumductis olivaceo-nigris, grumulis primum immersis, epidermide vesicata obductis, pro plantae fabrica figura et mole variis, demum in pulverem nigrum fatiscentibus, inquinantibus.

α. Ranunculacearum, grumulis subrotundis dein confluentibus, epidermidem hyalinam bullatim sublevantibus demumque sporidiis copiosissimis profusis obliterantibus. *Uredo Ranunculacearum DC. gall. fl.* 75. *Dub. gall. II.* 901. *U. Anemones Pers. syn.* 223.

β. Violarum, grumulis sparsis elongatis, ex petiolis foliorumque pagina utraque emergentibus. — *Uredo vesicaria Kaulf. in Kz. et Schm. myk. Hft. I.* 67. *Dub. l. l.* 901.

γ. Gladioli, grumulis subrotundis, dein longius excurrentibus. — *Uredo Gladioli Requien. Dub. l. l.*

δ. Colchici, grumulis immersis elongato-striatis, epidermide scissa demum marginatis. — *Uredo Colchici Ficin. dresd.*

Var. *α.* ad utramque foliorum faciem Ranunculi Ficariae, Anemones nemorosae et Hepaticae trilobae, *β.* Violae odoratae; *γ.* Gladioli communis; *δ.* Colchici auctumnalis, rarius. (Grumuli pro plantae fabrica variam concinnant figuram; in Hepatica magis tenuantur et ambitum circumscriptum servant, in Ranunculis magis producuntur et praesertim nervos extremos, sicut in Vio-

datas minime rarescunt; var. d. ad Polygonum Bistortam Hercyn. superior. plane non differt. (Grumuli tum ex foliorum fabrica varia, tum ex eorum vestitu varium habitum nanciscuntur, et sporidia exsiccando, generis indolem reticere solent.)

1674. *P. Adoxae DC.*, sporidiis oblongis utrinque acutiusculis, septo transverso interstinctis fusco-castaneis, grumulis primum subrotundis epidermide lacera cinctis dein confluentibus, maculas fusco-castaneas constituentibus. — *Puccinia Adoxae DC. gall. II.* 220.

Ad Adoxae Moschatellinae folia et caules, vere, passim. (A praecedente vix diversa videtur.)

1675. *P. fusca W.*, sporidiis sphaericis cohaerentibus s. geminatis, mediotenus septum constrictum mentientibus, hinc nonnisi parce apiculatis, extus tenuissime muriculatis, intus opacis s. nubeculosis, grumulis subrotundis distinctis fusco-ferrugineis dein confertis nudis, epidermidem obliterantibus.

α. Ranunculearum, grumulis plurimis confluentibus. — *Puccinia Anemones Pers. syn.* 226. *Schltdl. l. l.* 131. *Dub. gall. II.* 891. *Uredo Ranunculacearum DC. gall. II.* 229. *pr. pr. U. quincunx Strauss l. l.* 99. *Puccin. vesiculosa auct. Accidium fuscum Sowerb. fung. t.* 53.

β. Prunastri, grumulis parvis sparsis. — *Puccinia Pruni spinosae Pers. syn.* 226. *Kz. et Schmidt D. Schw. n.* 91. *Uredo Prunastri DC. gall. VI.* 85. *Dub. gall. II.* 898.

γ. Pruni, grumulis majoribus confertioribus. — *P. Prunorum Link sp. II.* 82.

δ. Ruborum, grumulis dein confluentibus.

ε. Dentariae. — *Uredo Dentariae Alb. et Schw.* 129.

Ad folia Pruniferarum (Pruni spinosae, Pr. domesticae), Ranunculacearum (Anemones nemorosae) et Rosacearum quarumdam (Rubi corylifolii) amphigena, passim. (Erysiben geminatam potius refert: sporidia conjugata; saepius enim secedunt et simplicia praestant.)

1676. *P. Asari Kz.*, sporidiis ovato-oblongis, mediotenus disseptis, hinc in basin pellucidam acicularem

brevem tenuatis, hinc obtusis s. tenuissime apiculatis hyalinis, grumulis convexis subrotundis parvis, epidermidem hyalinam demum reclinantibus fusco-brunneis, saepius confluentibus. — *Puccinia asarina Kunz. myk. Hft. I. 70., D. Schw. n. 148. Dub. gall. II. 890. P. Asari Link sp. II. 68.*

Ad Asarum europaeum amphigena. Aestate.

1677. *P. Acerum Lk.*, sporidiis ovatis, mediotenus disseptis fuscis, grumulis subrotundis, epidermide bullata nitente, centro rumpente tectis. *P. Acerum Link sp. II. 80. P. bullata Lk. obs. II. 29.*

Ad folia Aceris Pseudo-Platani. (*Link.*)

†† *urosporae, sporidiis basi inaequalibus, hinc in basin diaphanam, sporidio altero duplo s. triplo longiorem productis (sp. pedicellata auct.). — Uromyces L.*

1678. *P. Calthae Lk.*, sporidiis ovatis fuscis, hinc in basin brevem hyalinam productis, grumulis subrotundis convexis, epidermide rupta cinctis sparsis circinatimque dispositis, maculae fuscae insidentibus. *Puccinia Calthae Link sp. II. 79.*

Ad folia Calthae palustris passim.

1679. *P. Polygonorum Schltdl.*, sporidiis biloculatibus, loculo supremo obtuso ovato opaco facile secedente, inferiore sensim tenuato recto illo triplo longiore, grumulis primum verrucosis parvis sparsis aggregatisve stipatis fusco-nigricantibus, epidermide lacera succinctis. — *Puccinia Polygonorum Schltdl. l. l. 132. Link sp. II. 69. Dub. gall. II. 889. P. Polygoni amphibii Pers. syn. 227. Alb. et Schw. nisk. 132. Strauss l. l. 103. P. Bistortae et P. Convolvuli DC. gall. VI. 61. pr. pr.*

Ad Polygona nostratia ubertim, caute tamen a P. inquinantis var. d. dignoscenda.

1680. *P. Thesii Chaill.*, sporidiis ovatis biloculatibus, loculis conformibus, inferiore in basin illo longiorem crassiusculam abrupte tenuatis, grumulis convexis

nigro-fuscis nitidis stipatis, epidermide elevata lacera cinctis. — *Puccinia Thesii Chaill. Dub. gall. II.* 889. *?P. difformis Kunze in Spr. syst. IV.* 558.

In Thesio Linophyllo amphigena. (Sporidia P. fuscam quadantenus referunt, laevore tamen et loculo inferiore in basin producto differunt.)

1681. *P. Buxi DC.*, sporidiis oblongo-cylindricis pellucidis medio disseptis, loculo superiore ovato, inferiore oblongo in basin duplo longiorem filiformem rigidulam rectam producto, grumulis foetis scutellaribus subrotundis emersis sparsis liberis compactis fuscis, epidermidem ruptam reclinantibus illamque demum concavam pallidam relinquentibus. — *Puccinia Buxi DC. gall. VI.* 60. *Dub. gall. II.* 888. *Sowerb. fung. t.* 439. *Grev. cr. t.* 17. *Link sp. II.* 83.

Ad Buxi sempervirentis elatioris folia hypogena, rarius in hort. thuring.

1682. *P. Discoidearum Lk.*, sporidiis ovalibus bilocularibus pellucidis, loculis subaequalibus subrotundis, inferiore in basin praelongam illo duplo longiorem producto, grumulis subrotundis convexiusculis parvis stipatis fusco-nigris, epidermide scissa redimitis. — *Puccinia Discoidearum Link sp. II.* 73.

α. Tanaceti. — *Puccinia Tanaceti DC. gall. II.* 222. *Dub. l. l. Uredo Tanaceti Strauss l. l.* 106.

β. Balsamitae. — *U. Balsamitae Str. l. l.*

γ. Artemisiarum. — *P. Artemisiarum Kz. et Schm. D. Schw. n.* 93. *Dub. l. l. P. Absinthii DC. gall. VI.* 56.

δ. Pyrethri. — *P. Pyrethri Schub.*

ε. Asparagi. — *P. Asparagi DC. gall. II.* 595.

Var. ad Tanaceti, *β.* Balsamitae, *γ.* Artemisiae vulgaris, Absinthii et Scriphii, *δ.* Pyrethri inodori et *ε.* Asparagi officinalis hortensis folia rarius.

1683. *P. conglomerata Kz.*, sporidiis biloculoribus, loculis subconformibus, inferiore in basin brevem

tenuatis, grumulis primum epidermide tectis parvis dein speciosis subrotundis. — *P. conglomerata Schm. et Kz. D. Schw. n.* 191. *P. Syngenesearum Link sp. II.* 74. *Uredo conglomerata Strauss l. l.*

Ad folia Tussilaginis alpinae (*Kunze*), Centaurearum (*Ehrenberg.*)

1684. *P. clavuligera W.*, sporidiis bilocularibus pellucidis, loculis difformibus, superiore obtuso subrotundo s. ovali, inferiore sensim tenuato subcuneato in basin illum subaequantem sensim gracilescente, grumulis subrotundis stipatis convexiusculis nitidis fuscis, epidermide succinctis.

α. Galiorum. — *P. Galii Cruciatae Dub. gall. II.* 890. *P. Valantiae Pers. syn.* 107. *Link sp. II.* 75. *Alb. et Schw. nisk.* 132. *P. Stellatarum Dub. l. l. P. punctata Link obs. II.* 30. *?P. difformis Kz. myk. Hft. I.* 71. *pr. pr.*

β. Luzulae. — *P. Luzulae W. in lit.*

γ. Scirpi. — *P. Scirpi DC. gall. II.* 223. *Dub. l. l.*

δ. Caricis, grumulis interaerviis ideoque magis elongatis. — *P. Punctum Link sp. II.* 68. *P. Caricis Rebent. ncom.* 356. *Schltdl. l. l.* 131. *DC. gall. VI.* 60.

ε. Iridis. — *P. Iridis Wallr. in lit.*

Var. α. ad Galii veri, Molluginis, Cruciatae et Aparines; β. Luzulae pilosae; γ. Scirpi lacustris; δ. Caricis ericetorum; ε. Iridis pumilae folia amphigena.

1685. *P. annularis Str.*, sporidiis bilocularibus, loculo superiore subrotundo, inferiore obovato in basin duplo longiorem protenso, grumulis convexis constipatis ex fusco-ochraceis dein tabacino-fuscescentibus, maculae ferrugineae insidentibus. — *Puccinia annularis Strauss l. l.* 106. *Schltdl. l. l.* 132.

Ad Teucrium Scorodoniam hypophylla, rarius suisque locis.

1686 *P. Tripolii W.*, sporidiis bilocularibus pellucidis oblongis, loculis conformibus ovalibus, inferiore in basin illum subaequantem producto, grumulis convexis compactis intus subcarnosis, primum epidermide tenui

tectis cinnamomeis parvis plerumque aggregatis, acervulos nodosos colliculosos mentientibus, dein fusco-ferrugineis. — *Puccinia Tripolii Wallr. in lit.*

Ad Asterem Tripolium amphigena et epicaula v. c. ad salinas arterens. Thuring. abundat. (Ad folia grumuli subrotundi, ad caules elongati, crassiores, latiores veluti obesi, iisque a sequente differt.)

1687. *P. Circaeae Pers.*, sporidiis exiguis utrinque acutis pellucidis compactis mediotenus parce constrictis in basin duplo longiorem productis, grumulis subrotundis convexiusculis minutis saepius aggregato-confluentibus pulvinatis, primum epidermide hyalina tectis cinnamomeis dein fusco-rufescentibus, hinc maculam concolorem relinquentibus. — *Puccinia Circaeae Pers. syn. 228. Dub. gall. II. 887. DC. gall. II. 220. Link sp. II. 82.*

Ad Circaeam alpinam et lutetianam Hercyn. et Thuring. hypophylla passim.

1688. *P. Caryophyllearum W.*, sporidiis oblongis pellucidis biloculatibus, loculo superiore ovato obtuso, inferiore longiore pyriformi in basin praelongam productis, grumulis compactis ovatis oblongisque sparsis s. confertis, epidermidem hyalinam demum obliterantibus. — *Puccinia verrucosa Schltdl. l. l. 123. P. Lychnideearum Link sp. II. 80. pr. pr. Uredo verrucosa Strauss l. l. 107.*

α. Saginae. — *P. Saginae Kz. et Schm. D. Schw. n. l. 21.*

β. Cerastiorum. — *P. Cerastii W. in lit.*

γ. Arenariae. — *P. Arenariae trinerviae W.*

δ. Stellariae. — *P. crassa Lk. obs. II. 30. P. Stellariae Dub. gall. II. 887.*

ε. Frankeniae. — *P. Frankeniae Lk. l. l.*

Ad plantas laud. Thuring. et hortor. Aestate, passim.

1689. *P. Dianthi DC.*, sporidiis oblongo-cylindricis angustato-elongatis pellucidis 1-2 obsolete septatis, loculo superiore oblongo obtusiusculo, inferiore sensim in basin duplo longiorem praelongam attenuato, grumulis compactis subrotundis rufo-fuscis sparsis s. concen-

trico-aggregatis, demum confluentibus placentaribus, epidermide lacera cinctis. — *Puccinia Lychnidearum Dub.* et *Link l. l.* pr. pr. *P. Dianthi DC. gall. II.* 220.

Ad Dianthi Carthusianorum folia in hort. thuring. minime rara. (Hujus et praecedentium sporidia in eodem grumulo variant quidem et inter se communionem, vel P. verrucosae titulum generalem cum var. subscribendam suadent; in hac tamen reliquis magis tenuantur, producuntur et sp. distinctam omnino promittunt.)

1690. *P. graminis Pers.*, sporidiis oblongo-cylindricis angustis pellucidis 1-2 septatis, loculo superiore ovali acutiusculo, inferiore sensim in basin rostratam duplo longiorem tenuatis, grumulis compactis nigris, pro varia epidermidis fabrica variis eaque demum sciasa cinctis. — *Puccinia graminis Pers. syn.* 228. *Schltdl. l. l.* 131. *Link sp. II.* 67. *P. linearis Rochl. P. cerealis Mart. mosq. Uredo frumenti Sowerb. fung. t.* 140. *U. linearis Strauss l. l.* 104. *Aecidium lineare Gmel. syst. lycoperdon lineare Schrank. Uredo frumenti Sowerb.*

α. culmorum, grumulis angustis spatia internervia infarcientibus longissimis, demum culmum ambeuntibus denigrantibusque. — *Puccinia caulium Rochl. P. graminis γ. caulium Alb. et Schw. l. l.*

β. vaginarum, grumulis e figura subrotunda ovalibus subquadratisque, minus longe excurrentibus.

Ad gramina quaecunque, maxime corealia. Auctumno.

1691. *P. arundinacea Hedw. fil.*, sporidiis ovatis bilocularibus, loculo utroque subrotundo subconformi, inferiore in basin gracilem illo duplo longiorem abrupte tenuato, grumulis compactis subspongiosis fuscis, pro varia epidermidis fabrica variis.

α. epiphylla, grumulis convexis pulvinatis emersis, intra spatia internervia latescentia exceptis ideoque ovatis oblongisque, nonnisi insignibus. — *Puccinia striola Schltdl. l. l.* 131. *nec Link.*

β. epicaula, grumulis convexis angustissimis, spatia

culmi internervia angustissima infarcientibus linearibus, nonnisi longissime excurrentibus culmumque striatum inscribentibus. — *P. arundinacea Hedw. fil. in DC. gall. Dub. gall. II.* 889. *Uredo graminis β. DC. gall. VI. U. striola Strauss l. l.* 105. *U. Phragmitis Schum. pr. pr. Puccinia Phragmitis Kunz.*

Ad folia culmosque Arundinis Phragmitis passim copiose, quoad locum habitu vario decipiens et scite a Sphaeria rimosa sterili dehiscente dignoscenda.

NB. Alias complures, sive novas, sive praecedentibus subscribendas Pucciniae species, auctores gallici praeprimis laudant, quarum indagandarum nomina transcribo. *Puccinia Iberidis Dub. (in Iberide sempervirente); P. Thlaspeos Dub., P. Corrigiolae Chev.; P. Globulariae DC.; P. Jasmini DC.; P. Asteris Dub. (ad A. salignum); P. Avicularіae Pers.; P. Veronicarum DC.; P. Veratri Dub.; P. Eryngii DC., (hanc quoque juvenem in agris patruis legi); P. Ribis DC.; P. Thalictri Chev.; P. Asphodeli Dub.; P. Prostii Moug. (ad folia Tulipae); P. Epilobii DC.; P. Primulae Dub.; P. expansa Ehrenb. (ad Cacalias alpinas); P. Salicum Ehrenb.; P. longicauda Opiz.; P. maculosa et grisea Rochl.* — Mirum profecto consortium generis cum Erysibe in iisdem herbis et vix nisi indole erysibode explicandum, nusquam tamen praeter loci communionem aliquam adfinitatem spondens.

b. myxogeni, sporidiis in basin communem, stratum carnosum gelatinosumve s. stroma veluti mentientem diffluentibus innatis, ad grumulos discoideos s. patellares compactos, primum saepius (in ramulis languidis) hypophlocodeos, dein emersos congestis.

(Gymnomycetes Lk. Uredineae melanconieae Dub. Coniomycetes Spr. syst.)

190. BLENNORIA FR. *Schleimsporling.*

Sporidia elongata cylindrica utrinque truncata diaphana simplicia minutissima, cum pseudostromate hypophlocode gelatinoso in tuberculum erumpens conglutinata.

1692. *Bl. Buxi Fr.*, sporidiis numerosissimis minutissimis, grumulos convexos fusco-nigricantes, demum epidermide rupta cinctos constituentibus. *Blennoria Buxi Fr. syst. orb. I.* 366. *Dub. gall. II.* 885.

Ad folia Buxi sempervirentis arida amphigena. (Similem ad folia Eryngiorum nostratium quoque legi, nunc tamen dubium.)

191. CORYNEUM NEES. *Dockensporling.*

Sporidia fusiformia septata opaca erecta, basi tenuata dilutiore, pseudostromati verruciformi planiusculo innata, grumulos primum hypophlocodeos dein emersos scutellares occupantia, demum ex illis prominentia. (*Exosporium Spr.*)

1693. *C. umbonatum Nees*, sporidiis subcylindricis, apice attenuato pellucidis, basi dilatata producta innatis, grumulos subrotundos scutellares s. convexiusculo-discoideos, epidermide scissa succinctos nigrescentes constituentibus. — *Coryneum umbonatum Nees syst.* 34. *f.* 31. *Link sp. II.* 124. *Dub. gall. II.* 882. *Exosporium umbonatum Spr. syst. IV.* 563.

Ad ramos dejectos Carpini, Lusatiae v. c. (*Kunze*) et Thuring. (*Wallr.*)

1694. *C. disciforme Kz.*, sporidiis clavatis, basi attenuata sullultis, grumulos scutellares planos informantibus. — *Coryneum disciforme Kunz. myk. Hft. I.* 76. *t.* 2. *f.* 18. *Ehrenb. sylv.* 12. *Schltdl. berol. II.* 140. *Exosporium disciforme Spr. syst. l. l.*

Ad ramos juniores quercinos languidos passim. Hyeme.

1695. *C. pulvinatum Kz.*, sporidiis ovalibus obtusis in basin elongatam productis, grumulos rotundos patellares convexos liberos atros informantibus. — *Coryneum pulvinatum Kunze l. l. Link sp. II.* 124. *Exosporium pulvinatum Spr. syst. IV.* 563.

Ad ramulos dejectos Ulmi, Tiliae, v. c. agri lipsiens. (*Kunze*), thuring. *Wallr.*) passim.

1696. *C. brachyurum Lk.*, sporidiis ovali-subglobosis in basin brevissimam crassiusculam desinentibus, grumulos convexos atros obducentibus. — *Coryneum brachyurum Link sp. I. I.*

Ad ramos dejectos agri berol. (*Link.*)

1697. *C. depressum Kz.*, sporidiis ovalibus in basin tenerrimam productis grumulosque depressos atros occupantibus. — *C. depressum Kunz. I. I. f.* 17.

In similibus cum priore locis, a quo vix differt.

1698. *C. confluens Nees*, sporidiis oblongis obtusis basin tenerrimam exserentibus, grumulos subrotundos gregarios mediotenus elevatos nigros informantibus. — *Coryneum confluens Nees jun. in Kunz. I. I. II.* 66. *Link sp. II.* 125.

Ad ramulos dejectos rarius.

192. SPORIDESMIUM LK. *Bündelsporling.*

Sporidia fusiformia opaca septata basi tenuata assurgentia pulvinata, pseudostromati effuso innata.

(*Puccinia Spr. Sporidermium Nees (ex sphalmate).*

1699. *Sp. atrum Lk.*, sporidiis clavato-fusiformibus dense aggregatis erectis, dein basi implexa decumbentibus sporidochiumque atrum effusum obstruentibus. — *Sporidesmium atrum Lk. obs. I.* 39. *f.* 64. *Nees syst. f.* 18. *Lk. sp. II.* 120. *Dub. gall. II.* 882. *Puccinia atra Spr. syst. IV.* 569. *Sporid. fusiforme Nees in nov. act. acad. Leop. IX.* 240. *t.* 5. *f.* 1. (*adultum*). *Sp. vagum Nees I. I. f.* 2.

Ad asseres putridos passim.

1700. *Sp. olivaceum W.*, sporidiis oblongis obtusis in basin productis subclavatis obsolete septatis, in stratum tenue velutinum olivaceum nitidum congestis sporidochiumque atro-fuscum verrucosum deplanatum obstruentibus. — *Sporidesmium olivaceum W. in lit.*

Ad Tiliae ramulos putres, nonnisi Sphaeriam Tiliae occupans stratoque velutino olivaceo belle investiens, Thuring. haud infrequenter.

...ntis, hinc obtusis s. tenuissime apiculatis ...mulis convexis subrotundis parvis, epidermi... ...am demum reclinantibus fusco-brunneis, sae... ...ibus. — *Puccinia asarina Kunz. myk. Hft.* ...Schw. n. 148. *Duh. gall. II.* 890. *P. Asari* ...*I.* 68.

...um europaeum amphigena. Aestate.

P. Acerum Lk., sporidiis ovatis, mediotenus ...scis, grumulis subrotundis, epidermide bulla... ...centro rumpente tectis. *P. Acerum Link sp.* ...*bullata Lk. obs. II.* 29.

...Acoris Pseudo-Platani. (*Link.*)

...sporae, sporidiis basi inaequalibus, hinc ...*hyalinum, sporidio altero duplo s. triplo lon...* ...*ntio (sp. pedicellata auct.). — Uromyces L.*

P. Calthae Lk., sporidiis ovatis fuscis, hinc ...revem hyalinam productis, grumulis subrotun... ...is, epidermide rupta cinctis sparsis circinatim... ...itis, maculae fuscae insidentibus. *Puccinia* ...*ink sp. II.* 79.

...Calthae palustris passim.

P. Polygonorum Schltdl., sporidiis hilo... ...locale supremo obtuso ovato opaco facile se... ...inferiore sensim tenuato recto illo triplo lon... ...mulis primum verrucosis parvis sparsis aggre... ...atis fusco-nigricantibus, epidermide lacera suc... *Puccinia Polygonorum Schltdl. l. l.* 132. *Link* ...*Duh. gall. II.* 889. *P. Polygoni amphibii* ...227. *Alb. et Schw. nisk.* 132. *Strauss l. l.* ...*tortae et P. Convolvuli DC. gall. VI.* 61. *pr. pr.*

...ygona nostratia ubertim, caute tamen a P. in... ...ar. d. dignoscenda.

P. Thesii Chaill., sporidiis ovatis hilocula... ...iis conformibus, inferiore in basin illo longio... ...nsculam abrupte tenuatis, grumulis convexis

196. PODISOMA LK. *Schweifsporling.*

Sporidia uniseptata in basin longissimam stipitiformem producta iisque inter se implicita, sporidochium pseudostromaticum clavatum gelatinosum mentientia.

(*Podisoma Lk. et auct. Gymnosporangii sp. DC.*)

1704. *P. fuscum Dub.*, sporidiis utrinque obtusis, sporidochium pseudostromaticum globosum dein conicum rufo-spadiceum demum fulvum constituentibus. — *Podisoma fuscum Dub. gall. II.* 851. *P. Juniperi Link obs. I., sp. II.* 127. *Nees syst.* 18. *f.* 15. *Gymnosporangium fuscum DC. gall. II.* 217. *Puccinia Juniperi Pers. syn.* 228. *Tremella Sabinae Dicks. Puccinia cristata Schmid. icon. III. t.* 66. *Mich. gen. t.* 92. *f.* 1.

Ad corticem Juniperi Sabinae, suis locis passim, aliis rarissimum.

1705. *P. clavariaeforme Dub.*, sporidiis utrinque acutis, sporidochium pseudostromaticum cylindricum s. compressum aurantiacum constituentibus. — *Podisoma clavariaeforme Dub. gall. II.* 881. *Tremella clavariaeformis Jacq. coll. II.* 274. *Tr. digitata Vill. delph. t.* 56. *Tr. ligularis Bull. champ. t.* 427. *f.* 1. *Tremella juniperina L. suec. n.* 1135. *Web. spic.* 277. *Hoffm. veg. cr. I.* 33. *t.* 7. *f.* 2. *Wahlenb. suec. II.* 994.

Ad corticem Juniperi communis German. austral., nec non Thuring. inferior. parcius obvium.

197. PHRAGMOTRICHUM KZ. *Kolbensporling.*

Sporidia rhombea septata, isthmis cylindricis pellucidis intercepta, basi stipitiformi sporidochio pseudostromatico fibroso-gelatinoso depresso innata, dein epidermide rupta, soluta libera, facile secedentia.

1706. *Phr. Chailletii Kz.*, sporidiis rhombeis, intus septato-cellulosis, sporidochium oblongum atrum constituentibus concoloribus. — *Phragmotrichum Chailletii Kunz. et Schm. myk. Hft. II.* 84. *t.* 2. *f.* 4. *Link*

sp. II. 126. *Dub. gall. II.* 881. *Gymnosporangium Chaillctii Spr. syst. IV.* 562.

Ad strobilos abietinos v. c. prope Neufchatel. (*Chaill.*)

198. EXOSPORIUM LK. *Borstenkugel.*

Sporidia oblonga s. linearia opaca septata sessilia, ex sporidochio pseudostromatico verruciformi s. effuso succrescentia, propexa.

(*Exosporium Lk. obs. Vermicularia et Exosporium Fr. Conopleae et Sphaeriae sp. auct.*, — a quibus scilicet vix habitu externo, solum fere aegriusque natura interna, sporidiorum sic dictorum indole septata diguoscuntur et *Linkii* auctoritate hic laudantur.)

1707. *E. maculans Lk.*, sporidiis elongatis densis filiformibus nigris, ex sporidochio pseudostromatico depresso, maculae nigrae s. concolori oblongae dein confluenti insidente, succrescentibus. — *Exosporium maculans Link sp. II.* 123.

Ad caules herbarum elatiorum passim, Franconiae v. c. (*Nees.*)

1708. *E. ditrichum Lk.*, sporidiis elongatis filiformibus pancis atris, ex sporidochio pseudostromatico globoso minuto concolore prominentibus. — *Exosporium ditrichum Link sp. II.* 123. *Sphaeria ditricha Fr. syst. II.* 515.

Ad folia delapsa, Pyri v. c. et Betulae passim.

1709. *E. Rubi Nees*, sporidiis brevissimis filiformibus nigris, ex sporidochio pseudostromatico subgloboso supra depressso, maculae nigrae circumscriptae insidente concolore succrescentibus — *Exosporium Rubi Nees nov. act. Leop. IX.* 236. *t.* 5. *f.* 6. *Link sp. II.* 123.

Ad folia Rubi caesii aliorumque frequens, maculis nudis saepe solum superstitibus.

1710. *E. trichellum Lk.*, sporidiis elongatis filiformibus densis nigris, ex sporidochio pseudostromatico globoso innato minuto concolore succrescentibus. —

Exosporium trichellum Link l. l. Sphaeria trichella Fr. syst. II. 515.

Ad folia sicca arborum variarum ipsiusque Hederae vulgare.

1711. *E. minutum Lk.*, sporidiis elongatis filiformibus nigris densis, ex sporidochio pseudostromatico minutissimo oblongo aggregato concolore succrescentibus. — *Exosporium minutum Link sp. l. l. Sphaeriae Dematii var. minor Fr. syst. II.* 505.

Ad caules herbarum siccos passim.

1712. *E. Dematium Lk.*, sporidiis brevibus filiformibus sparsis nigris e sporidochio pseudostromatico oblongo sparso nonnisi latescente concolore prominulis. — *Exosporium Dematium Link sp. l. l. Vermicularia Dematium Fr. syst. III.* 253. *Sphaeria Dematium Pers. syn.* 88. *Fr. syst. II.* 505.

Ad caules herbarum elatiorum siccos auctumno abundanter. (Habitu Sphaeriam quidem refert, interanea tamen thecis destituuntur nec locum respuere videntur.)

1713. *E. Eryngii Chev.*, sporidiis elongatis clavaeformibus acutis distinctis concoloribus, ex sporidochio pseudostromatico minutissimo punctiformi atro gregario emergentibus. — *Exosporium Eryngii Chev. paris. I.* 39. *t.* 3. *Dub. gall. II.* 882.

Ad caules siccos Eryngii campestris.

1714. *E. hispidulum Lk.*, sporidiis longissimis filiformibus atris, sporidochium pseudostromaticum oblongum, epidermide rupta cinctum obsidentibus. — *Exosporium hispidulum Link sp. II.* 122. *Conoplea hispidula Link obs. II.* 34. *excl. syn. Pers.*

Ad folia glumasque graminum siccorum auctumno et hyeme passim.

1715. *E. hypodermium Lk.*, sporidiis elongatis filiformibus nigris, ex sporidochio pseudostromatico oblongo nonnisi longitudinaliter producto epidermideque

cissa cineto parce prominulis. — *Exosporium hypodermium Link sp. II.* 121. *Conoplea hypodermia Link obs. II.* 32. *Pers. myc. II.* 12.

Ad caules herbarum (Umbelliferarum) siccos.

1716. *E. clavuligerum Lk.*, sporidiis elongatis filiformibus atris cum aliis clavatis pellucidioribus intermixtis, ex sporidochio pseudostromatico subgloboso concolore propullulantibus. — *Exosporium clavuligerum Link sp. II.* 121. *Conoplea clavuligera Link obs. II.* 33.

Ad truncos emortuos Salicum potissimum.

1717. *E. Tiliae Lk.*, sporidiis obtusatis opacis atrovirentibus obsolete septatis, ex sporidochio pseudostromatico subgloboso hypophloeode, dein depresso nigro assurgentibus. — *Exosporium Tiliae Link obs. I.* 8. *t.* 1. *f.* 8., *sp. II.* 121. *Nees syst.* 8. *f.* 30. *Grev. cr. t.* 308. *Conoplea Tiliae Pers. myc. I.* 11.

Ad truncos ramulosque Tiliarum gelu tactos, auctumno et hyeme vulgare.

1718. *E. circinatum W.*, sporidiis cylindricis obtusis majusculis nigris opacis obsolete septatis, sporidochium pseudostromaticum rotundum convexiusculum obtegentibus cumque illo circinatim radiantibus adpressis, grumulos tersos convexos sparsos majusculos atros constituentibus.

Ad lignum decorticatum vetustum Salicis capraeae Hercyn. superior. (*Wallr.*) (Sporidiorum fabrica certo quidem non liquet, habitus tamen Exosporii s. Apiosporii insignem testatur speciem.)

C. perisporii, sporidiis figura et mole variis, globosis cylindricisve, continuis septatisve, microscopicis ac majusculis, omnium tamen sporidochio pseudostromatico aeque minus vario, at emerso ac figurato obsolete cellulioso, sive in membranulam sive in villum intertexto superinfusis, liberis, ex aqua saltem facile solvendis.

(*Uredineae tuberculariae Fr. Dub. Sarcopodia Schltdl.*)

199. EPICOCCUM LK. *Koernerkugel.*

Sporidia globosa parca, sporidochio pseudostromatico membranaceo globoso libero irregulariter laxeque incumbentia.

1719. *E. atro-sanguineum W.*, sporidiis globosis simplicibus majusculis atro-sanguineis parcis, sporidochio membranaceo bracteato tenuato punctiformi laxe incumbentibus, convexiusculis.

Ad folia sicca Calami aromatici agri northus., anctumno passim.

1720. *E. nigrum Lk.*, sporidiis sporidochioque subglobosis nigris, maculam nigram obsidentibus. *Link obs. II.* 32., *sp. II.* 107. *Mart. crl.* 328.

Ad caules aridos plant., v. c. agri rostoch. et vratislaviens. (*Link.*)

1721. *E. purpurascens Ehrbg.*, sporidiis subglobosis sporidochiisque convexis nigris, maculae purpureae insidentibus. — *Ehrenb. sylv.* 12. *Schltdl. berol. II.* 136. *Link sp. II.* 108.

Ad caules herbarum siccos, Asparagi praeprimis hortensis vel intra Zeae culmos siccos (*? Peziza Conopea Alb. et Schw. nisk.* 345. *t.* 11. *f.* 3.) anctumno passim.

200. AEGERITA PERS. *Kugelstaub.*

Sporidia globosa sparsa sporidochii pseudostromatici liberi rotundati superficiem praestantia s. penetrantia.

(*Aegerita Pers. Nees. Link. Fr. Sclerotium Hoffm. DC. Tuberculariae albidae Spr. syst. Reticularia Bull.*)

1722. *A. candida Pers.*, sporidiis inaequalibus, sporidochium hemisphaericum liberum dispersum (semini Nicotianae molem aequans) candidum superfundentibus. *Aegerita candida Pers. syn.* 684. *Nees syst. f.* 24. *Mart. crl.* 326. *Grev. cr. t.* 268. *f.* 1. *Fr. syst. III.* 219. *Link sp. II.* 108. *Dub. gall. II.* 879. *Tubercularia candida Spr. syst. IV.* 565. *Sclerotium album DC. gall. VI.* 112. *Scl. Aegerita Hoffm. germ. t.* 9. *f.* 1.

Ad ligna corticesque arborum (Alnorum potissimum), ad asseres vetustos pineos passim.

1723. *A. aeruginosa W.*, sporidiis globosis minimis aeruginosis, sporidochium hemisphaericum liberum punctiforme dispersum obsidentibus, dein aufugis illudque deplanatum relinquentibus.

Ad ligna corylea nemorum thuring.

1724. *A. epixyla DC.*, sporidiis oblongis, stromate convexiusculo in basin deplanato, primum gryseo, dein nigrescente. — *DC. gall. II.* 72. *Dub. gall. II.* 879. *Dichosporium aggregatum Nees syst. f.* 99. *Fr. syst. III.* 218. *?Aegerita pallida Pers. syn.* 685. *Reticularia epixyla Bull. champ. t.* 472. *f.* 1.

Ad ligna putrida, quercina praeprimis legi myceten descriptioni congruum, an quoque eundem.

1725. *A. caesia Pers.*, pruinata caesia albida sparsa punctiformis. — *Pers. syn.* 685. *Ehrenb. sylv.* 12. *Schltdl. berol.* 137. *?Agyrium caesium Fr. syst. II.* 231. *Tubercularia caesia Spr. syst. IV.* 565.

Ad ramos putridos, sub umbra jacentes, auctores dubiam, nec a me visam iudicant.

201. DERMOSPORIUM LK. *Rindensporling.*

Sporidia globosa, sporidochii globosi superficiem, tegminis corticati instar investientia.

1726. *D. flavicans Lk.*, sporidiis globosis minutis flavicantibus, sporidochii globosi minuti concoloris superficiem obstruentibus. — *Dermosporium flavicans Link obs. II.* 32. *Ehrenb. sylv.* 12. *Link sp. II.* 107. *Nees syst. f.* 25. *Epicoccum flavicans Spr. syst. IV.* 563.

Ad ramos putridos humi jacentes agri berolin. (*Ehrenberg*). (Genus dubium, nec *Friesio* nec mihi satis notum.)

202. ILLOSPORIUM MART. *Staubball.*

Sporidia globosa minima pellucida colorata, membranula granulosa excepta, sporidochium veluti liberum subgelatinosum infarcientia inque illa fatiscentia.

1727. *I. roseum Mart.*, sporidochio orbiculari sparso roseo, demum depresso difformi, in sporidia minima fatiscendo diffluente. — *Illosporium roseum Mart. crl.* 325. *Fr. syst. III.* 258. *Dub. gall. II.* 876. *Coccochloris rosea Spr. syst. IV.* 375. *Palmella rosea Lyngb. hydroph.* 207. *Grev. cr. t.* 51. *Sclerotium granulatum et persicolor Schum. saell. II.* 180. *Tuberculariа rosea Pers. syn.* 114. *Schltdl. berol. II.* 137. *Lepraria rosea Ach. prodr.* 9. *Lepra rosea Willd. berol. ? L. carnea Ehrh. Byssus rosea Retz. Tremella rosea Nonne crf. Lichen roseus Schreb. spic.* 140. *Flor. dan. t.* 1243. *f.* 1. *Tuberculа parva elegantissima in lichene saxatili Leyss. hal.* 279.

Ad blastemata Parmeliarum platyphyllinarum, P. ciliaris, saxatilis et homochroae praeprimis, brumae tempore emergit.

1728. *I. carneum Fr.*, sporidochio sphaerico gregario libero carneo-rubro, demum in sporidia concolora minima diffluente. — *Illosporium carneum Fr. syst. III.* 259.

Ad Lichenes platyphyllinos, Peltigeras praesertim suis locis occurrit, brumae tempore, nec tamen satis liquet.

1729. *I. coccineum Fr.*, sporidochio minimo conferto globoso undique disperso coccineo, demum in sporidia concolora inquinantia diffluente. — *Illosporium coccineum Fr. syst. III.* 259.

Ad Lichenum blastemata crustacea, praeprimis quae metamorphosin chaumaticam subiere, Endocarpi verrucosi et Parmeliae subfuscae praesertim brumae tempore, ab eorum decolorationibus erythrotropis (*Wallr. Naturg. II.* 451.) scite dignoscendum.

193. PROSTHEMIUM KZ. *Birkenschorf.*

...oridia fusiformia septata binata ternatave in basin ...ata, ...omati plano innata, sub epidermide erum...tis. *Kunze.*

1761. *Pr. betulinum Kz.*, sporidiis opacis sessilibus in basin appendiculatam tenerrimam pellucidam desinentibus, primum hypophloeodeis dein emersis, grumulos atros planos constituentibus. — *Prosthemium betulinum Kunz. myk. Hft. I. 17. t. 1. f. 10. Schltdl. berol. II. 139. Ehrenb. sylv. 12. 24. Exosporium betulinum Spr. syst. IV. 563.*

Ad ramos betulinos dejectos vulgare.

194. SARCOPODIUM EHRENB. *Lockensporling.*

Sporidia flocciformia elongata septata pellucida, sporidochio pseudostromatico effuso innata.

1762. *S. circinatum Ehrenb.*, sporidiis flocciformibus annulato-septatis, apice obtuso incurvis circinatis, sporidochio pseudostromatico carnoso carneo-flaventi impositis. — *Sarcopodium circinatum Ehrenberg sylv. 12. 23. f. 6. Schltdl. berol. II. 140.*

Ad canles plantae annuae arescentes agri berolin. (Ehrenberg.)

195. GYMNOSPORANGIUM LK. *Nacktsporling.*

Sporidia uniseptata basi producta suffulta, stromati erumpenti vesiculoso gelatinoso effuso adnata. *Lk. obs.*

1763. *G. Juniperi Lk.*, sporidiis conicis uniseptatis basi quadruplo longiore suffultis, sporidochio pseudostromatico primum hypophloeode conico, dein effuso aurantiaco superadditis. — *Gymnosporangium Juniperi Link sp. II. 127. Nees syst. 37. f. 24. Regensb. bot. Z. 1826. p. 173. G. conicum DC. gall. II. 216. Tremella juniperina L. sp. 1625. Pers. syn. 625. Hoffm. veg. cr. I. 31. t. 6. f. 9.*

Ad truncos Juniperi communis passim.

δ. *Betulae*, sporidochiis majusculis sparsis tersis coccineis, epidermide transversim scissa coarctatis demum plerumque decoloribus fuscis.

ε. *sarmentorum*, sporidochiis parvis ex epidermide longitudinaliter scissa seriatim emergentibus. — *T. vulgaris var. Pteleae*; *var. Vitis Wallr. in lit. T. sarmentorum et Menispermi Fr. obs. I.* 208.

ζ. *Corchori*, sporidochiis minimis punctiformibus.

η. *Georginae*, sporidochiis minutis conglomeratis coccineis.

Ad arborum fruticumque quorumcunque vere recisorum languescentium corticem, laburno innatum epidermidemque scissam auctumni tempore transigens; var. α. ad Ribes nigrum, Populos, Tilias, Carpinum, Salices, Rosas, Aesculum, Robiniam, Prunos aliasque, lusus minores majoresque, pisi minoris molem nonnisi aequantes (ad Populum), vel depressos (ad Tilias) proferens; β. ad Fraxinos; γ. ad Rhoëm typhinam, in qua quidem pili facile cum sporidochii basi confluunt, et Fagum; δ. ad Betulam albam; ε. ad Vitem, Pteleam pinnatam, Hederam, Clematidem, Menispermum, Loniceram; ζ. ad Corchorum novellasque Rhois typhinae; η. ad Georginae rhizomata effossa, auctumno abundant. (Variat habitumque alium pro varia laburni et epidermidis fabrica, putredinis gradu, humorum affluxu sporidiorumque informatione melius pejusve succedente s. plane deficiente finitaque jam, induit eximiisque in ramulis quibuscunque vulgivaga locum dat vicissitudinibus. Humecta mollia omnino ac pulposa, sive alia excipit, et v. c. Sporobolorum ascis innatis s. Tetracolio obsessa undique denigratur; vel quoque byssum tenerrimam parcam, mihi nondum perspectam exserit, et amicum cum Sphaeria decolorante, ex sporidochio simul saepius succrescente exercere solet consortium (*Tuberculariae Pruni Schum. saec. II.* 183.)

1731. *T. granulata Pers.*, sporidochii initiis hypophloeodeis tersis albis depressis, in basin stipitiformem brevissimam (raro productiorem) succrescentibus capitu-

126. *Dub. gall. II.* 881. *Gymnosporangium Chail-* *Spr. syst. IV.* 562.
[illegible] abietinos v. c. prope Neufchatel. (*Chaill.*)

193. EXOSPORIUM LK. *Borstenkugel.*

[illegible] oblonga s. linearia opaca septata sessilia, ex [illegible] pseudostromatico verruciformi s. effuso suc- [illegible], propera.

(*Exosporium Lk. obs. Vermicularia et Exosporium* [illegible] *Complexae et Sphaeriae sp. auct.*, — a quibus sci- [illegible] vix habitu externo, solum fere aegrissque natura [illegible], sporidiorum sic dictorum indole septata digno- [illegible] et *Linkii* auctoritate hic laudantur.)

1707. *E. maculans Lk.*, sporidiis elongatis densis [illegible] nigris, ex sporidochio pseudostromatico de- [illegible], maculae nigrae s. concolori oblongae dein con- [illegible] insidente, succrescentibus. — *Exosporium ma-* [illegible] *Link sp. II.* 123.

Ad caules herbarum elatiorum passim, Franconiae v. c. (*Nees.*)

1708. *E. ditrichum Lk.*, sporidiis elongatis filifor- [illegible] puncta atris, ex sporidochio pseudostromatico glo- [illegible] minuto concolore prominentibus. — *Exosporium di-* *trichum Link sp. II.* 123. *Sphaeria ditricha Fr. syst. II.* 515.

Ad folia delapsa, Pyri v. c. et Betulae passim.

1709. *E. Rubi Nees*, sporidiis brevissimis filiformi- [illegible] nigris, ex sporidochio pseudostromatico subgloboso [illegible] depressae, maculae nigrae circumscriptae insidente [illegible] succrescentibus — *Exosporium Rubi Nees nov.* *act. Leop. IX.* 236. t. 5. *f.* 6. *Link sp. II.* 123.

Ad folia Rubi caesii aliorumque frequens, maculis [illegible] saepe solum superstitibus.

1710. *E. trichellum Lk.*, sporidiis elongatis fili- [illegible] densis nigris, ex sporidochio pseudostromatico [illegible] globoso innato minuto concolore succrescentibus. —

fusis, primum nitore succinico oculos allicientibus, dein vero cum ipso sporidochio facile decoloribus, eximium spondet differentiam species, alioquin tum loco, tum habitu externo adfinis.)

1732. *T. liccoides Fr.*, sporidochii initiis hypophloeodeis tersis albido-fuscescentibus depressis, illico capitulum hemisphaericum sessile insigne sustinentibus carnosis, primum pallidis dein fuscis veluti corticatis. — *Tubercularia liccoides Fr. obs. I. Link sp. II.* 103.

Ad Aceris campestris et Crataegi Oxyacanthae languidos cortices agri heringens. legi, quam corpusculorum succinicorum fide cum praecedente ceu var. majorem subscribere mallem, colore primo intuitu quidem alienam, nec tamen a Tuberc. Pseudo-Acaciae *Rebent.* multum diversam.

1733. *T. ciliata Ditm.*, sporidochio perizoideo, basi fusca emersa suffulto, farcto, discum sporophorum convexum rubescentem, margine ciliato saccinctum recludente. — *Tubercularia ciliata Ditmar in Sturm. fung. germ. III. t.* 14. *Link obs. II.* 31., *sp. II*, 103. *nec Alb. et Schwein. T. Ditmari Spr. syst. IV.* 565.

Ad ramulos Alni glutinosae languescentes agri rostoch. (*Ditmar.*)

1734. *T. persicina Ditm.*, sporidochio perizoideo adnato albido, primum hemisphaerico dein discum patellarem convexiusculum laevem, sporidiis majusculis globosis lilacinis foetum recludentibus. — *Tubercularia persicina Ditmar l. l.* 99. *t.* 49. *Link sp. II.* 101. *?Sclerotium Circeae Schum. saell. II.* 187.

Ad Circaeam lutetianam hypogena, ex Aecidio Epilobii var. Circaeae saepius succrescentem legit cl. *Ditmarus* in agro rostoch., quae me quidem judice a genere aliena.

[illegible] cincto parve prominulis. — *Exosporium hypoder-[illegible] Link sp. II.* 121. *Conoplea hypodermia Link obs.* [illegible] 22. *Pers. myc. II.* 12.

Ad canles herbarum (Umbelliferarum) siccos.

1716. *E. clavuligerum Lk.*, sporidiis elongatis [illegible] atris cum aliis clavatis pellucidioribus inter-[illegible], ex sporidochio pseudostromatico subgloboso con-[illegible] propullulantibus. — *Exosporium clavuligerum Link sp. II.* 121. *Conoplea clavuligera Link obs. II.* 33.

Ad truncos emortuos Salicum potissimum.

1717. *E. Tiliae Lk.*, sporidiis obtusatis opacis atro-[illegible] obsolete septatis, ex sporidochio pseudostro-[illegible] subgloboso hypophloeode, dein depresso nigro [illegible]. — *Exosporium Tiliae Link obs. I.* 8. *t.* 1. *f.* 8., *sp. II.* 121. *Nees syst.* 8. *f.* 30. *Grev. cr. t.* 208. *Conoplea Tiliae Pers. myc. I.* 11.

Ad truncos ramulosque Tiliarum gelu tactos, auctum-[illegible] et hyeme vulgare.

1718. *E. circinatum W.*, sporidiis cylindricis [illegible] majusculis nigris opacis obsolete septatis, spori-[illegible] pseudostromaticum rotundum convexiusculum [illegible] cumque illo circinatim radiantibus adpres-[illegible], granulos tersos convexos sparsos majusculos atros [illegible].

Ad ligum decorticatum vetustum Salicis capraeae [illegible] superior. (*Wallr.*) (Sporidiorum fabrica certo [illegible] non liquet, habitus tamen Exosporii s. Apiosporii [illegible] testatur speciem.)

C. parisporii, sporidiis figura et mole variis, glo-[illegible] cylindricisve, continuis septatisve, microscopicis ac majusculis, omnium tamen sporidochio pseudostromatico [illegible] minus vario, at emerso ac figurato obsolete cel-[illegible], sive in membranulam sive in villum intertexto [illegible], liberis, ex aqua saltem facile solvendis.

(*Uredineae tuberculariae Fr. Dub. Sarcopodia Schltdl.*)

pitato lutescente veluti stipitato, in sporidia fusiformia concolora deliquescente, fugaci. — *Fusarium Stilbaster Link sp. II.* 106. *Atractium Stilbaster Link obs. I.* 8. *Nees syst. f.* 34.

Ad truncos Fagi caesos passim at ocissime diffluens.

1740. *F. ciliatum Lk.*, sporidochio minuto emerso subgloboso, in basin attenuato rubente, pilis longis porrectis munito, sporidiis concoloribus fusiformibus septatis foeto. — *Fusarium ciliatum Link sp. II.* 105. *Atractium ciliatum Lk. obs. II.* 32. *Tubercularia ciliata Alb. et Schw. nisk.* 68. *t.* 5. *f.* 6.

Ad ramos putres et sarmenta inter hortorum rejectamenta, auctumno, rarius.

1741. *F. Chaetomium W.*, sporidochiis subglobosis sessilibus, a basi inde pilis rigidulis atris adpressis obvallatis, greges concentricas mentientibus, sporidiis cylindricis utrinque acuminatis rectiusculis pellucidis obsolete septatis foetis. — *Chaetomium oxysporium Wallr. in lit.*

Ad Cucurbitas putres agri thuring. semel. (*Wallr.*) (Habitu externo Chaetomium depressum omnino refert, sporidiis tamen recedit.)

1742. *F. heterosporum Nees*, sporidochio subtremelloso expanso ruberrimo, sporidiis globosis fusiformibusque superfuso. — *Fusarium heterosporum Nees l. l. Link sp. II.* 107. *Exosporium Lolii Spr. syst. IV.* 563.

Intra germina Lolii perennis, quae colorem ruberrimum inde nanciscuntur.

1743. *F. tremelloides Grev.*, sporidochio subhemisphaerico glabro aurantiaco, dein gregario difformi subtremelloso magis deplanato, sporidiis hyalinis longissimis parallelis foeto. — *Fusarium tremelloides Grev. cr. t.* 10. *Spr. syst. IV.* 564. *Dacrymyces Urticae Fr. syst. II.* 251. *Tremella miniata Rebent. neom.* 284. *Tr. Urticae Pers. syn.* 928. *Alb. et Schw. nisk.* 304. *Tr. saepincola β. Willd. in Uster. bot. Mag. IV.* 182.

Ad caules plantarum siccos, Urticae praeprimis et Daturae passim, brumae tempore. (Hoc cum praecedente indole tremellosa a reliquis desciscit quidem, sporidiis tamen congruere videtur.)

205. CONOPLEA PERS. SYN. *Kegelschopf.*

Sporidochium ex pilis rigidulis obsolete septatis assurgentibus in basin laxe implicitum ibique sporidiis globosis simplicibus conglobatis liberis, dein pilos porrectos occupantibus foetum.

1744. *C. hispidula Pers.*, sporidochii pilis simplicissimis rigidulis fasciculato-comosis assurgentibus aëneo-nigrescentibus, basi implicita sporidia globosa pellucida conglobata comprehendentibus demumque suscipientibus. — *Conoplea hispidula Pers. syn.* 235. *Ehrenb. sylv.* 12. *Schltdl. berol. II.* 155. *Dub. gall. II.* 928.

Ad folia graminum sibi nec falci commissorum tenuiora emortua, in promontoriis umbrosis Thuring., auctumno sero, minime raro. (Stirps insignis, habitu externo Chaetomium mentiens, singulari sporidiorum, modo basin obtegentium, modo pilis appensorum dispositione, ab illa aeque ab aliis, ab auctoribus huic generi subscriptis diversa, melius forsan ad Asporomycetes amandanda, vel inter utrumque ordinem ambigens. *C. sphaerica, cinerea et gilva Pers. Dub.* dubiae.)

206. HYPHELIA FR. *Filzschorf.*

Sporidochium effusum indeterminatum, e villo in pelliculam cohaerentem contextum, fragillimum, dein vertice rumpens, sporidia libera laxius coacervata transmittens.

1745. *H. rosea Fr.*, sporidochio primum rotundo dein effuso applanato, e villo subtilissimo in membranulam coacto tecto, ambitum hyphoideum circumspargente fragillimo, dein sporidia vesiculosa rosea transfundente. — *Hyphelia rosea Fr. syst. III.* 211. *Trichoderma ro-*

seum Pers. syn. 231. *Hoffm. germ. t.* 10. *f.* 1. *Alb.* et *Schw. nisk.* 135.

Ad ligna vetusta, lubentius sub Alnorum et Populorum cortice, laxe inhaerente. Vere.

1746. *H. viridula W.*, sporidochio primum maculari pallide-viridi depresso, ambitum hyphoideum pallidiorem emittente dein coacto umbonato, sporidiis alba compacta obvallante.

Ad Lichenum gonidia asyntheta in Salicum cortice rarius, v. c. circa Heringam Thuring.

1747. *H. fusca Fr.*, sporidochio subpulvinato hemisphaerico confluente cinereo-fusco, ambitum tenuiter radiantem spargente, sporidiis flavis focto. — *Hyphelia fusca Fr. syst. III.* 212. *Trichoderma fuscum Schum. saell. II.* 236.

Ad ramos dejectos Ulmi similem quamdam legi.

1748. *H. castanea W.*, sporidochio pulvinato hemisphaerico dein confluente cinereo-albo grumoso, sporidiis fusco-castaneis majusculis subangulatis opacis.

Ad ligna putrida in caveis udis Thuring.

1749. *H. nigrescens Fr.*, sporidochio tenerrimo applanato caesio admodum caduco, sporidiis minimis fuligineo-nigrescentibus. — *Fr. syst. III.* 212. *Trichoderma caesium et nigrescens Pers. syn.* 232. *Alb. et Schw. nisk.* 136.

Ad truncos vetustos praesertim Populorum.

1750. *H. terrestris Fr.*, sporidochio effuso candido strigoso-tomentoso dein a vertice elevato inde evanescente, sporidiis subargillaceis. — *Hyphelia terrestris Fr. syst. III.* 213. *Trichoderma laeve Schum. l. l. Alb. et Schw. nisk.* 136. *Tr. nemorosum Pers. champ. T. tuberculatum Pers. syn.* 234. *Alb. et Schw. nisk.* 136.

β. varia, sporidochii filis candidis, roseis, violaceis, flavisque variantibus. — *Trichoderma varium Ehrenb. sylv.* 11. *Schldtl. berol. II.* 145. (*teste Friesio.*)

Ad terram nudam nemorum et pinetorum, praesertim aestate calida, minime rara.

207. TRICHODERMA PERS. *Haarnets.*

Sporidochium subrotundum saepius indeterminatum, loccis tenerrimis ramosis septatis implexis laxe contum, demum irregulariter a vertice inde fatiscens, ridia minuta conglobata inter se libera globosa disco- a obvelans.

1751. *Tr. viride Pers.*, sporidochio adnato epi- loeode, primum laxe floccoso candidissimo circum- ipto, dein convexo floccisque stipatis obtexto, demum sporidia globosa minutissima obscure-virentia tegmen- floccosum undique obliterantia fatiscente grumulum- pulverulentum nudum mentiente. — *Trichoderma ide Pers. syn.* 130. *Alb. et Schw. nisk.* 135. *Nees t. f.* 74. *Fries syst. III.* 215. *Flor. dan. t.* 1495. *ev. cr. t.* 271. *Tr. argenteum et aeruginosum Pers. Link. Sphaeria olivacea Willd. berol.* 416. *Pyre- m lignorum a. vulgare Tod. mekl.* 33. *t.* 3. *f.* 29. *cor lignifragus Bull. champ. t.* 504. *et ex eo Bo- tis lignifraga Link sp. I.* 56.

Ad corticem lignorum caesorum sub umbra congesto- , ad fungos duriores putres, folia aliasque quisquilias, tumno minime rarum. (Sporidiorum colorem in iis- a locis vidi deflectere in aeruginosum, flavicantem et ne nigrescentem.)

1752. *Tr. cinnabarinum W.*, sporidochio sub- undo, ex floccis laete cinnabarino-puniceis stipatis se obtexto, dein a vertice inde in sporidia primum globata stelliformia dein globosa distincta minima iata fatiscente grumulosque pulverulentos nudos in- ditos effusos mentiente.

Ad pannos detritos in caveis udis projectos Thuring. ignem hanc legi speciem, a Sporotricho pannorum rensi. caute dignoscendam. (Sporidochia primum pun- formia, dein majora, semina Papaveris fere aequantia, floccis undique constipatis sporidiorumque cumulum te involventibus composita, amoene punicea, raro in- ra deprehenduntur, frequentius fatiscunt et pilos pan-

ni demum undique colore cinnabarino-miniatos tingunt. Sporidia sporidochio fota, inter se Stephanomatis instar conglobantur, dein sponte secedunt.)

1753. *Tr. flavum Sommerf.*, sporidochio rotundato sublibero, villo albo arachnoideo obducto, sporidiis globosis minimis flavis. — *Tr. flavum Sommerf. lapp.* 312. *Fr. syst. III.* 215. *Tr. aureum auct. nec Pers.*

Ad quisquilias herbarum putres ipsosque pannos detritos, rarius, colore citrino laeto oculos allíciens.

1754. *Tr. dubium A. et Schw.*, sporidochio adnato ovali seriatim demum confluente albido-flavente, sporidiis globosis concoloribus compactis. — *Fries syst. III.* 216. *Alb. et Schw. nisk.* 136. *Tr. Pyrenium Pers. syn.* 233. *Pyrenium lignorum β. aureum Tod. l. l.*

Ad truncos fagineos caesos, aestate.

1755. *Tr. pezizoideum W.*, sporidochio globoso, nonnisi in basin brevem producto subturbinato s. subcylindrico, extus villo candido brevissimo obducto, sporidia dense conglobata aëreo-virentia demum vertice prominula concipiente.

Ad ligna decorticata quercina passim.

1756 *Tr. penicillatum W*, sporidochio globoso, basi depresso, fibris propexis brevibus fragillimis candidis tecto, intus sporidiis grumosis flavo-aurantiis foeto.

Ad ligna putrescentia Corylorum passim. (De hac et praecedente specie dubia supersunt.

D. entospori, sporidiis mole, figura et colore variis, rarius angulato-stellatis simplicibus, sporidochia neque minus varia, nunc phlocodea omnino (pseudosporidochia) eaque mire diversimodeque a figura cupulari, tubulosa cornutaque, ex ipsa epidermide herbarum succrescentia (phlocoecii), nunc ex substantia propria composita, mucilaginosa (myxoecii), nunc membranacea (dermatoecii) eaque itidem clausa irregulariterve transfusa, sive in porum osculumque circumscissum, sive in discum

patellarem reclusa occupantibus, liberis, neque pulpa neque floccis inter se conglobatis.)

(Uredineae aecidineae et apiosporeae Dub. Lycoperdaceae trichiaceae sp. Dub.

a. phloeoecii, sporidochiis varie figuratis, cupularibus, tubulosis et cornutis, ex ipsa cubilium vegetorum epidermide succrescentibus.

208. AECIDIUM PERS. *Warzensporling.*

Sporidia globosa simplicia hyalina libera (alba s. flaventia dein saturatiora) pseudo-sporidochium hypophloeodes, ex foliorum parenchymate calloso inverso, primum verrucae instar prominulo, dein urcei, tubuli cancellorumque figuram mentiente succrescens eique conforme, demum in os crenulatum s. varie fissum reclusum infarcientia eorumque basin saccatam denique effoetam persistentem reliquentia.

(Cacomatis subg. 2. Lk. Schltdl. Mart. Uredinis sp., epidermide sporangium spurium persistens praebente insignes Spr. syst. Aecidium Gmel. Pers. DC. Dub. nec Hill. Sphaerotheca Desv. Roestelia Rebent. Cronartium Fr. Lycoperdon Schk. Jacq.) — (Genus naturale, pseudosporidochio figurato s. corticali ab Erysibe affatim distinctum, aegrius vero ob mutuam partium cum parenchymatis fabrica relationem, ad species reducendum, cum Stictide analogon.)

† *urceolaria, pseudosporidochiis urceolatis, dein limbo oris aperti crenulato reflexo reclusis, sparsis s. foliorum parenchymate calloso, veluti pseudostromatico aggregatis. (Aecidia sensu strict. auct. plurim. Aecidia Cacomata Dub.)*

* *pseudosporidochiis distinctis, per omnem folii paginam, hinc vix mutatam, dispersis.*

1757. *A. Ervi W.*, pseudosporidochiis hypogenis sparsis exiguis impressis subrotundis, ore subintegro prominulis, his sporidiisque albidis.

Ad Ervum hirsutum hypophyllum, nec quoque a petiolis ipsisque leguminibus alienum, Thuring. (*Wallr.*)

1758. *A. leucosporum W.*, pseudosporidochiis hypogenis copiosis sparsis prominulis, primum mamillaribus, dein limbo arcuato involuto cupulatis crassis verrucosis mediocriter magnis, sporidiis ovalibus albis. — *Uredo leucosperma Spr. syst. IV.* 573. *Caeoma leucospermum Schltdl. ber. II.* 116. *Link sp. II.* 55. *Aecidium leucospermum et quadrifidum DC. gall. II.* 239. *Dub. gall. II.* 907. *Aec. Anemones Pers. syn.* 212. *Mart. crl.* 313. *Lycoperdon Anemones Pultn. Hoffm. germ. t. 11. f. 1.*

Ad Anemonen nemorosam hypophyllum vere incunte minime rarum. (Folia hoc vitio adgressa, latiora plerumque ac crassiora, alienum induere solent habitum, ad quem scientiae statoribus speciei propriae titulo jam innotuerunt. *Ranunculus III. in dorso stigmatis picturatum Thal. herc.* 98. *Anemone nemorosa dorso punctulis frequentibus protuberantibus exasperata J. Bauh. hist. II.* 231. *Ran. nemorosus stigmatodes Mentz. pug.* 258. *Anemone sylv. degener. Raj. hist. Anem. nemor. sterilis, fol. punctatis C. Bauh. pin.* 177. — Ejus initia rubentia *Pollichius* male pro insectorum ictu habuit.)

1759. *A. punctatum Pers.*, pseudosporidochiis hypophyllis laxis urceolatis albido-virentibus confertissimis, limbum oris constricti crassum subintegrum recludentibus, sporidiis compactis violaceo-fuscis. — *Aecidium punctatum Pers. syn.* 212. *Dub. gall. II.* 908. *Alb. et Schw. nisk.* 119. *DC. gall. II.* 239.

Ad Anemonen ranunculoidem hypophyllum.

1760. *A. Thesii Desv.*, pseudosporidochiis hypogenis sparsis copiosis cupularibus nonnisi subcylindricis, basi circumscissis, ore dilatato lacero reclusis. — *Aecidium Thesii Desv. journ. II.* 311. *Dub. gall. II.* 908. *Sphaerotheca albescens Desv. Caeoma Thesii Schltdl. berol. II.* 116.

Ad Thesium ebracteatum hypophyllum in agro berolin. (*Schlechtendal*).

FUSARIUM LK. *Spindelknöpfchen.*

fusiformis tenuissima simplicia, plerumque
ridochio tenero carnoso sessili s. effuso ca-
a et ex illo diffluentia.

Lk. et auct. Dacryomycis et Exosporii sp.
et Tuberculariae sp. Link. Atractium Lk.

roseum Lk., sporidochio minute sessili
rgarie roseo, sporidiis fusiformibus palli-
minis foeto. — *Fusarium roseum Link*
Fusidium roseum Link obs. II. 31.

herbarum elatiorum siccos (Malvarum v.
folia passim, auctumno.

pallens Nees, sporidochio subcapitato,
plicando dein emerso ex cinereo-subrufescen-
conidiis subfusiformibus rectiusculis acu-
lis foeto. — *Fusarium pallens Nees in act.*
IX. 237. t. 5. *f.* 7. *Link sp. II.* 104. *F.*
rosb. sylv. 12. 24. *Schltdl. berol.* 139. *Fu-*
tum et pulvinatum Link obs. II. 31.

dejectos fruticum passim.

oxysporum Schldtl., sporidochio con-
ceo roseo dein erumpente rugulosu et
oidiis parvis curvatis utrinque acutissimis
sarium oxysporum Schltdl. berol. II. 139.

semipetria Solani. (*Schlechtendal.*)

lateritium Nees, sporidochio vario obe-
intense lateritio, sporidiis minimis arcua-
nominatis foeto. — *Fusarium microsporum*
II. 139. *F. lateritium Nees syst. f.* 26.

putrescentes Robiniae Pseudacaciae agri
ndal.)

Stilbaster Lk., sporidochio emerso ca-

1765. *A. Euphorbiae Pers.*, pseudosporidochiis pallide-flavis cupularibus insignibus, limbo crenulato reflexis, integram folii angustati faciem occupantibus contrahentibusque, sporidiis aurantiacis demum fuscis. — *Caeoma Euphorbiae Schltdl. l. l. C. Euphorbiatum Link l. l.* 53. *Aecidium Euph. Gmel. Humb. Pers. A. Euphorbiarum DC. gall. VI.* 91. *Dub. l. l. Nees syst. f.* 3. *Lycoperdon Euphorbiae Schrank.*

Ad Euphorbiam Cyparissias, Esulam et sylvaticam hypophyllum minime rarum. (Folia ejusmodi a latitudine naturali deflectere solent caulemque strictiorem et elatiorem sterilem modo ambeunt, hinc: *Euphorbia degener Riv. Jacq. Hoffm. s. Tithymalus Cypar. fol. punctis croceis notatis C. Bauh. Rupp. ipsaque Esula scabiosa Gesneri.*)

1766. *A. Soldanellae Hornsch.*, pseudosporidochiis cum ordine quodam sparsis, paginam integram occupantibus, in aversa tubercula relinquentibus, sporidiis aurantiis. — *Caeoma Soldanellatum Link l. l.* 46.

Ad Soldanellam alpinam alpium salisb. (*Hornschuch.*)

1767. *A. elatinum A. et Schw.*, pseudosporidochiis ovalibus primum convexis integris, dein rima apertis fere conchatis, sporidiis pallido-aurantiacis. — *Caeoma elatinum Link sp. II.* 66. *Aecidium elatinum Alb. et Schw. nisk.* 121. *t.* 5. *f.* 3. *DC. gall. VI.* 88. *Peridermium elatinum Kunze et Schm. D. Schw. n.* 141.

Ad Pinum Piceam hypophyllum, Lusatiae. (*Albertini et Schweiniz. Schmidt.*)

** *pseudosporidochiis congestis magis, maculae nunc tenuatae, nunc parenchymati foliorum cicatrisato insidentibus.*

1768. *A. Convallariae Schum.*, pseudosporidochiis brevibus subcylindricis in os laciniatum reflexum reclusis, (cum ordine quodam s. circinatim) maculas flavae limbo ferrugineo limitatae insidentibus, sporidiis sordide flavescentibus. — *Caeoma elegans Schltdl. l. l.* 115.

C. Convallariatum Link sp. II. 52. *Aecidium Convallariae et Majanthae Schum. saell. II.* 224. *Flor. dan. t.* 1435. *Uredo Convallariae Spr. syst. IV.* 573.

Ad Convallarias nostrates ipsamque Paridem quadrifoliam hypophyllum rarius.

1769. *A. bifrons DC.*, pseudosporidochiis numerosis congestis semiimmersis urceolatis helvolis, ore patulo parce crenulato prominulis, maculae planae pallidae indefinitibus, sporidiis aurantiacis. — *Aecidium bifrons DC. gall. II.* 246. *Caeoma Ranunculaceatum Link sp. II.* 54.

α. Ranunculaceorum. — *Caeoma Ranunculaceorum Schltdl. l. l.* 113. *Aecidium Ranunculaceorum DC. gall. VI.* 97. *Dub. gall. II.* 903. *Sowerb. t.* 397. *A. Ranunc. acris Pers. syn.* 210. *A. Ficariae Pers. obs. II.* 23. *A. confertum α. Ficariae DC. II.* 245. *A. Aquilegiae Pers. ic.* 58. *t.* 23. *f.* 4.

β. Lycoctoni. — *Aecidium bifrons α. Lycoctoni DC. l. l.*

γ. Erythronii. — *Aecidium Erythronii DC. l. l. Aec. Erythroniatum Link l. l.* 42.

δ. Parnassiae. — *Caeoma Parnassiae Schltdl. l. l.* 113. *Dub. gall. II.* 904. *C. Parnassiatum Link sp. l. l.* 56.

ε. Allii. — *Aecidium Allii ursini Pers. syn.* 210. *Caeoma Alliatum Link l. l.* 43.

ζ. Violarum. — *Caeoma Violae Schltdl. l. l.* 114. *Aecidium Violarum DC. gall. II.* 240. *A. Violae Alb. et Schw. nisk.* 118. *t.* 10. *f.* 2. *Uredo Albertiniana Spr. syst. IV.* 572.

η. Galiorum. — *? Caeoma Galiatum Link l. l.* 52. *? Aecid. Galii Pers. syn.* 207. *Alb. et Schw. nisk.* 116.

θ. Leguminosarum. — *Aecidium Orobi Pers. syn.* 210. *Aec. Viciae Opiz.*

Var. *α.* ad Ranunculum repentem, bulbosum, polyanthemum, acrem, lanuginosum et Ficariam, Caltham palustrem, Aquilegiam vulgarem; *β.* ad Aconitum Lycoctonum; *γ.* ad Erythronium D. Canis (hortense); *δ.* ad

Parnassiam palustrem; ζ. ad Violam caninam, hirtam, tricolorem et odoratam; η. ad Galium Mollugineum latifolium; ϑ. ad Trifolium repens, Orobum vernum Viciamque sepium equidem legi hypophyllum, nonnisi ad petiolos quoque aberrans, in agro thuring.

1770. *A. Lysimachiae Schltdl.*, pseudosporidochiis laxe aggregatis cupularibus, maculae luteae effusae insidentibus, sporidiis pallide aurantiacis. — *Caeoma Lysimachiae Schltdl. l. l.* 113. *C. Lysimachiatum Link sp. j. l.* 45.

Ad Lysimachiam thyrsifloram hypophyllum agri berolin. (*Schlechtendal.*)

1771. *A. Actaeae W.*, pseudosporidochiis emersis exiguis aggregatis, os lacerum hyalinum crenulatum recludentibus, maculae tenui pallidae insidentibus, sporidiis pallidis. — *Aecidium Actaeae Opiz, teste Steudel.*

Ad Actaeam spicatam hypophyllum Thuring. (*Wallr.*)

1772. *A. Salicorniae DC*, pseudosporidochiis distinctis sparsis, nonnisi subcircinatis albidis cupularibus, limbum erectum subdenticulatum informantibus, sporidiis flaventibus. — *Caeoma Salicorniatum Link l. l. Aecid. Salicorniae DC. gall. VI.* 92. *Dub. gall. II.* 906.

Ad Salicornias nostrates indicia saltem vidi punctiformia.

1773. *A. Compositarum Mart.*, pseudosporidochiis dense congestis urceolatis semiimmersis, ore reflexo tenero denticulato prominulis, maculam rubeolam s. pallidam tenuatam s. marcidam subrotundam circinatim obsidentibus, nonnisi confluentibus, sporidiis pallido-aurantiacis. — *Aecidium Compositarum Mart. erl.* 314. *Caeoma Compositarum Schltdl. l. l.* 114. *Link sp. II.* 50.

α. *Prenanthis.* — *A. Prenanthis Pers. syn.* 208.

β. *Crepidis.* — *A. Crepidis W. in lit. A. Hieracii Schum.*

γ. *Serratulae.* — *Aecid. rubellum Gmel. Aec. Rumicis* γ. *Serratulae Alb. et Schw. Caeoma rubellatum Link l. l.* 50.

δ. *Leucanthemi.* — *Aecid. Leucanthemi DC. gall. VI.* 94. *Dub. l. l.* 905. *Caeoma Leucanthematum Link.*

ε. *Cirsii.* — *Aecid. Cirsii DC. l. l. Caeoma Cirsiatum Link l. l.*

ζ. *Inulae.* — *Aecid. zonale Dub. l. l.* 906.

η. *Taraxaci.* — *Aecid. Taraxaci Schm. et Kz.*

θ. *Rumicis.* — *Aecid. Rumicis Hoffm. germ. t. 2. f. 2. Caeoma Rumicis Schltdl. l. l.* 114. *C. rubellatum Link l. l.* 44. *Aec. Rumicis Alb. et Schw. l. l.*

ι. *Polygonorum.* — *Aecid. Polygonorum Kunz. Caeoma Polygonatum Link l. l.* 44.

κ. *Valerianae dioicae.* — *A. Valerianae W.*

λ. *Avicullariae.* — *Aec. Avicullariae Kz. Ficin. dresd.*

μ. *Rhei.* — *A. rubellum γ. Rhei DC.*

Ad Compositas praedictas aliasque minime rarum; var. θ.—μ. ad Rumices, Rhea, Polygona et Valerianam.

1774. *A. Populi Hornem.*, pseudosporidochiis densae congestis patinaeformibus, macula rubro-lutea cinctis, sporidiis caesiis. — *Aecidium Populi Hornem. fl. dan. t.* 1319. *Uredo Hornemanniana Spr. syst. IV.* 572.

Ad Populum tremulam hypophylla, rarius saltem ex initiis innotuit.

1775. *A. Barbareae DC.*, pseudosporidochiis in acervulos rotundos oblongosque sparsos irregulariter circinatim digestis orbiculatis, maculae fuscae insidentibus, sporidiis aurantiacis. — *Aecidium Barbareae DC. gall. II.* 244. *Dub. l. l.* 905. *Caeoma Cruciferatum Link l. l.* 56.

Ad Barbareae vulgaris folia et petiolos passim.

1776. *A. Tussilaginis Pers.*, pseudosporidochiis magnis semiimmersis urceolatis, ore revoluto grandidentato campanulato prominentibus, primum pallidis dein rufescentibus, in acervos rotundos circinatim congestis, aversam folii partem e purpura tingentibus, sporidiis aurantiacis. — *Aecidium Tussilaginis Pers. syn.* 209. *Dub.*

l. l. 906. *Lycoperdon epiphyllum L. sp.* 1665. *L. hypophyllum Ehrh.*

Ad Tussilaginem Farfaram abundat hyphyllum. (Nolui cum Aecidio Compositarum conjungere; obstant pseudosporidochia duplo majora, ampliora eorumque limbi in dentes longiores multoque latiores fissi, revoluti.)

1777. *A. Grossulariae Schum.*, pseudosporidochiis primum verrucosis nitidis fusco-rubentibus deiu urceolatis, ore brevi reflexo parce dentato reclusis, confertis, folii parenchyma obesum callosum rubrum subrotundum obsidentibus, sporidiis flaventibus. — *Aecidium Grossulariae Schum. saell. II.* 223. *DC. Dub. Grev. cr. t.* 62. *Aec. Rumicis et rubelli var. Grossulariae Pers. Caeoma Ribis Schltdl. l. l.* 114. *C. Grossulariatum Link l. l.* 59.

Ad Ribes Grossulariam passim, rarius etiam ad R. nigrum et rubrum hypophyllum, nec petiolis parcens.

1778. *A. Asperifoliorum Pers.*, pseudosporidochiis aggregatis cupularibus, limbo breviter denticulato reflexo cinctis, acervos crassiusculos subrotundos irregulares occupantibus, sporidiis rubro-aurantiis. — *Aecidium Asperifolii Pers. syn.* 208. *Caeoma Asperifolii Schltdl.* 112. *C. Borragineatum Link l. l.* 48. *A. Lycopsidis Desv.*

Ad Asperifolias, Borraginem potissimum, Echium, Cynoglossum, Symphytum et Lycopsin, in agro thuring. parcius obvium.

1779. *A. Pedicularis Libosch.*, pseudosporidochiis dense congestis subimmersis cupuliformibus, margine lacero denticulato reflexis, acervos tumidos obesos irregulares effusos occupantibus, sporidiis sordide aurantiacis. — *Aecidium Pedicularis Liboschütz mémoir. de Mosc. V.* 76. *Caeoma Pedicularis Schltdl. l. l.* 113. *Aecidium crassum var. Pedicularis Funk.*

Ad Pedicularem palustrem rarius.

1780. *A. Urticae DC.*, pseudosporidochiis emersis

cupularibus helvolis, ore campanulato primum erecto dein in denticulos brevissimos tenuissimos scisso reclusis, in acervulos rotundos parvos s. elongato-nervisequos congestis, praeter basin adnatam liberis, in aversa folii parte maculam nigro-fuscam punctatam informantibus, sporidiis albis dein flaventibus. — *Aecidium Urticae Schum. saell. II.* 222. *Rebent. ncom.* 353. *DC. gall. II.* 243. *Dub. l. l.* 905. *A. Asperifol. β. Urticae Alb. et Schw. nisk.* 117.

Ad Urticam dioicam et piluliferam hypophyllum et lubentius nervisequum. (Forsan Aecidio Asperifoliorum subscribendum.)

1781. *A. Nymphaeae W.*, pseudosporidochiis immersis in maculam subrotundam placentarem confluentibus, ore subintegro parce prominulis, sporidiis aurantiacis. — *Aecidium Nymphoidis DC. gall. II.* 597., *VI.* 93. *Dub. l. l.* 905. *Uredo hemisphaerica Spr. syst.* 371. *Caeoma Nymphoidatum Lk. l. l.* 48.

Ad Nymphaeam luteam epiphyllum Thuring., nec non alibi ad Villarsiam nymphoideu.

1782. *A. Melampyri Kz.*, pseudosporidochiis aggregatis, maculae purpureae insidentibus brevibus niveis, margine lacinulatis, sporidiis albis. — *Kunze et Schm. D. Schw. n.* 165. *Caeoma Melampyratum Link. sp. II.* 46.

Ad Melampyrum nemorosum hypophyllum (*Kunze.*)

1783. *A. Menthae DC.*, pseudosporidochiis sparsis emersis subrotundis ovalibus, parenchyma folii callosum obesum occupantibus, sporidiis aurantiis. — *Aecidium Menthae DC. gall. VI.* 95. *Caeoma Menthatum Link.*

Ad Menthae sylvestris folia et caules Austriae. (*Ehrbg.*)

1784. *A. Geranii DC.*, pseudosporidochiis in acervos subrotundos subcircinatim digestis, maculae flavo-purpurascenti insidentibus hincque fuscam nigro-punctatam relinquentibus, sporidiis flavis dein fuscis. — *Aecidium Geranii DC. gall. VI.* 93. *Caeoma Geraniatum Lk.*

Ad Geranium pratense hypophyllum.

†† *tubularia, pseudosporidochiis primum cupulaeformibus dein in tubulos cylindricos longius breviusque productos succrescentibus, basi epidermide volvata munitis, apice demum fissilibus polysporis (Aecid. ceratites Lk. Dub.)*

1785. *A. Phascolorum W.*, pseudosporidochiis emersis liberis candidis subtubulosis cito fissilibus basinque cupulaeformem relinquentibus, in acervos parvos rotundos dein confluentes ex aversa folii parte maculam luteam prominulam relinquentibus, sporidiis albis.

Ad Phaseoli vulgaris folia hort. heringens. passim.(*W.*)

1786. *A. Xylostei W.*, pseudosporidochiis primum mammillaribus dein confertis hyalinis albis subcylindricis, ore contracto tenuiter fimbriato apertis urceolos mentientibus, in acervulos subrotundos maculae utrinque pallidae insidentes congestis, sporidiis pallide-flaventibus. — *Caeoma Xylosteatum Link l. l. 53. Aecidium Loniceraе Dub. gall. II. 906. A. Periclymeni Schum. nec DC.*

Ad Loniceram Xylosteum hypophyllum, passim in Thuring. sepibus.

1787. *A. Periclymeni DC.*, pseudosporidochiis plurimis in acervulos subrotundos congestis raro effusis cylindricis, ore denticulato erecto reclusis, maculas fuscas crassiusculas obsidentibus, sporidiis aurantiacis. — *Caeoma Loniceraе Schltdl. l. l. 115. C. Periclymenatum Link l. l. 52. Aecid. Periclymeni DC. gall. II. 597. Dub. II. 907.*

Ad Loniceram Periclymenum hypophyllum, passim.

1788. *A. Clematidis DC.*, pseudosporidochiis subcylindricis albis hyalinis, ore patulo tenuiter denticulato reclusis, in acervulos parvos obesos congregatis, hinc maculam fusco-nigram informantibus, sporidiis pallide flavicantibus. — *Caeoma Vitalbatum Link l. l. 54. Aecidium Clematidis DC. gall. II. 243. Dub. l. l.*

Ad Clematidis Vitalbae folia, pedunculos, petiolos et fructus, in quibus pseudosporidochia ordinem concentri-

cum deserunt, v. c. in agro thuring., (*W.*) nec non magdeburg. (*John.*)

1789. *A. poculiforme W.*, pseudosporidochiis primum conicis, apice depressis, dein cylindricis, ore patulo tenuissime crenulato basin farctam recludente apertis, in acervulos subrotundos saepius nervisequos oblongos dense congestis, ex parenchymate incrassato convexiusculo fusco, hinc maculam flavo-rubentem relinquente subcuntibus, sporidiis saturate-aurantiacis — *Caeoma elongatum Link sp. II.* 63.

α. *Rhamnorum.* — *Caeoma crassum Schltdl. l. l.* 112. *C. crassatum et Rhamnatum Link l. l.* 60. *Aecidium crassum et Rhamni Pers. syn.* 206. *DC. gall. II.* 244. *Rebent. Dub. A. irregulare DC. A. Frangulae et A. catharctici Schum. saell. II.* 225. *Gaertn. wetter.*

β. *Evonymi.* — *Aecidium Evonymi Gmel.*

γ. *Berberidis*, pseudosp. cylindricis, maculam minus obesam tenuatam obsidentibus. — *Caeoma Berberidatum Link l. l. Aecidium Berberidis Pers. syn.* 209. *Sowerb. t.* 397. *Rebent. neom.* 352. *t.* 3. *f.* 11. *cum var. cyathiformi et cylindrica. Grev. cr. t.* 97. *Lycoperdon poculiforme Jacq. coll. I. t.* 4.

δ. *Phillyreae.* — *Aec. Phillyreae DC. gall. VI.* 96.

Ad Rhamni Frangulae, catharctici et alpini folia et petiolos passim; β. ad Evonymum europaeum rarius; γ. ad Berberidem vulgarem satis frequenter.

1790. *A. columnare Alb. et Schw.*, pseudosporidochiis subcylindricis sparsis hyalinis tenerrimis subcariosis facile laceris, dein urceolos ore tenuiter dentatos mentientibus foliorumque faciem contrahentibus, sporidiis aurantiacis. — *Caeoma columneum Link sp. II.* 66. *Aecidium columnare Alb. et Schw. nisk.* 121. *t.* 5. *f.* 4. *Peridermium columnare Kunz. et Schm. D. Schw. n.* 10.

Ad Pinus Piceae folia hypogenum, Lusatiae (*Kunze et Schmidt.*)

1791. *A. cornutum Pers.*, pseudosporidochiis praelongis e basi plerumque incrassata rubra ochreato-aperta subeuntibus fasciculatis laxe cellulosis, foetis farctis tubuloso-cylindricis erectis, effoetis scariosis contabescentibus deflexis, ab apice inde scissili demum caducis, in aversa folii parte maculam purpuream nigro-punctatam relinquentibus, sporidiis subglobosis fusco-rufis. — *Cacoma cylindrites Link sp. II.* 64.

α. Oxyacanthae, pseudosporidochiis tenuissime fissilibus, maculae convexiusculae insidentibus. — *Aecidium laceratum Sowerb. t.* 318. *Dub. gall. II.* 902. *DC. II.* 247. *Grev. cr. t.* 209. *Aecid. Oxyacanthae Pers. syn.* 206. *t.* 4. *f.* 7. 8. *DC. VI.* 98. *Cacoma penicillatum Schltdl. l. l.* 111. *Aec. penicillatum Alb. et Schw. nisk.* 115. *Cancellaria Pyri Hergt in Hopp. Taschenb.* 1807. *p.* 238. *Uredo penicillata Spr. syst. IV.* 570. *Lycoperdon penicillatum Müll. fl. dan. t.* 839.

β. Mali. — *Aecidium Mali Schum. saell. II.* 222. *Aec. lacertum α. Mali sylvestris DC. l. l.*

γ. Amelanchieris, pseudosporidochiis paucissimis, ex macula colliculosa turgida subeuntibus. — *Aecid. Amelanchieris DC. gall. VI.* 97. *Dub. gall. II.* 903.

δ. Sorbi, pseudosporidochiis pluribus ex callo convexo, hinc areolam purpuream relinquente subeuntibus. — *Aecid. cornutum Pers. Dub. DC. l. l. Grev. cr. t.* 180. *Uredo cornuta Spr. l. l. Cacoma cornutum Schltdl. l. l. Lycoperdon corniferum Müll. fl. dan. t.* 838.

ε. Mespili, pseudosporidochiis plurimis fasciculatis, ex macula pallida hinc purpurea porrectis. — *Aecidium Mespili DC. gall. l. l. Pers. myc. I. t.* 4. *f.* 2.

Var. *α.* ad Crataegum Oxyacantham, monogynam, Pronum sylvestrem rarius; *β.* ad Pyrum Malum; *γ.* ad P. Amelanchier, fruticem spontaneum in collibus calcareis ad Bleicherode circul. northusani vulgatissimum, passim; *δ.* ad Sorbum Aucupariam vulgare; *ε.* ad Mespilum, hypophyllum et ad variam foliorum fabricam habitu vario decipiens.

††† ***cornuta, pseudosporidochiis sparsis obsolete cellulosis sequacibus, dein membranaceis rigidis cylindricis, ex epidermidis tuberculo calloso emergentibus, angustius foratis, oligosporis, sporidiis microscopicis dein profusis forasque adhaerentibus.*** *(Cronartium Fr. Kunz. Caeoma Lk. Erinei et Sphaeriae sp. Willd. et auct.)*

1792. ***A. asclepiadeum W.***, pseudosporidochiis coniformibus tenuissimis, primum sequacibus, dein rigidulis subcartilagineis tenuissime foratis dilute-fuscescentibus erectiusculis, ex epidermidis tuberculo calloso hemisphaerico emergentibus sparsis, demum in maculam pallidam aggregatis. — *Cronartium Vincetoxici Kunz. myk. Heft. II. 98. t. 2. f. 7. Cr. asclepiadeum Fr. obs. I. 220. Erineum asclepiadeum Funk. Caeoma cronartites Link sp. II. 65.*

Ad folia Cynanchi Vincetoxici, in promontoriis Thuringiae, aestatis exeuntis tempore minime rarum.

1793. ***A. Paeoniae W.***, pseudosporidochiis ex epidermidis tuberculo hemisphaerico transmissis tenerrimis erectiusculis, demum rigidulis puberulis pallide-cinnamomeis, hinc s. utrinque maculam subrotundam fuscam obsidentibus. — *Sphaeria flaccida Alb. et Schw. nisk. 31. t. 7. f. 4. Fr. syst. II. 516.*

Ad foliorum Paeoniae officinalis paginam inferiorem rarius. (Hoc neque a genere, neque genus nuper statutum et vix nisi fabrica tenaciore poroque angustiore pseudosporidochiorum sparsorum a praecedentibus diversum distinguere valeo.)

†††† ***cancellaria, pseudosporidochiis ovalibus, a basi inde tenuiter fissilibus, apice mammillato cohaerentibus, polysporis.*** — *(Aecidium Roestelia Dub. Roestelia Rebent.)*

1794. ***A. cancellatum Pers.***, pseudosporidochiis conicis tenuiter membranaceis, foetis a basi inde in lacinulas tenerrimas setaceas fissis, apice mammillari convexo comprehensis albicantibus, tuberculo calloso obeso difformi insidentibus hincque maculam rubram nitidam

1791. *A. cornutum Pers.*, pseudosporidochiis praelongis e basi plerumque incrassata rubra ochreato-aperta subcuntibus fasciculatis laxe cellulosis, foetis faretis tubuloso-cylindricis erectis, effoetis scariosis contabescentibus deflexis, ab apice inde scissili demum caducis, in aversa folii parte maculam purpuream nigro-punctatam relinquentibus, sporidiis subglobosis fusco-rufis. — *Cacoma cylindrites Link sp. II.* 64.

α. Oxyacanthae, pseudosporidochiis tenuissime fissilibus, maculae convexiusculae insidentibus. — *Aecidium laceratum Sowerb. t.* 318. *Dub. gall. II.* 902. *DC. II.* 247. *Grev. cr. t.* 209. *Aecid. Oxyacanthae Pers. syn.* 206. *t.* 4. *f.* 7. 8. *DC. VI.* 98. *Cacoma penicillatum Schltdl. l. l.* 111. *Aec. penicillatum Alb. et Schw. nisk.* 115. *Cancellaria Pyri Hergt in Hopp. Taschenb.* 1807. *p.* 238. *Uredo penicillata Spr. syst. IV.* 570. *Lycoperdon penicillatum Müll. fl. dan. t.* 839.

β. Mali. — *Aecidium Mali Schum. saell. II.* 222. *Aec. lacertum α. Mali sylvestris DC. l. l.*

γ. Amelanchieris, pseudosporidochiis paucissimis, ex macula colliculosa turgida subcuntibus. — *Aecid. Amelanchieris DC. gall. VI.* 97. *Dub. gall. II.* 903.

δ. Sorbi, pseudosporidochiis pluribus ex callo convexo, hinc areolam purpuream relinquente subcuntibus. — *Aecid. cornutum Pers. Dub. DC. l. l. Grev. cr. t.* 180. *Uredo cornuta Spr. l. l. Cacoma cornutum Schltdl. l. l. Lycoperdon corniferum Müll. fl. dan. t.* 838.

ε. Mespili, pseudosporidochiis plurimis fasciculatis, ex macula pallida hinc purpurea porrectis. — *Aecidium Mespili DC. gall. l. l. Pers. myc. I. t.* 4. *f.* 2.

Var. α. ad Crataegum Oxyacantham, monogynam, Prunum sylvestrem rarius; β. ad Pyrum Malum; γ. ad P. Amelanchier, fruticem spontaneum in collibus calcareis ad Bleicherode circul. northusani vulgatissimum, passim; δ. ad Sorbum Aucupariam vulgare; ε. ad Mespilum, hypophyllum et ad variam foliorum fabricam habitu vario decipiens.

††† *cornuta*, *pseudosporidochiis sparsis obsolete cellulosis sequacibus, dein membranaceis rigidis cylindricis, ex epidermidis tuberculo calloso emergentibus, angustius foratis, oligosporis, sporidiis microscopicis dein profusis foraque adhaerentibus.* (*Cronartium Fr. Kunz. Caeoma Lk. Erinei et Sphaeriae sp. Willd. et auct.*)

1792. *A. asclepiadeum W.*, pseudosporidochiis cornuformibus tenuissimis, primum sequacibus, dein rigidulis subcartilagineis tenuissime foratis dilute-fuscescentibus erectiusculis, ex epidermidis tuberculo calloso hemisphaerico emergentibus sparsis, demum in maculam pallidam aggregatis. — *Cronartium Vincetoxici Kunz. myk. Heft. II.* 98. *t.* 2. *f.* 7. *Cr. asclepiadeum Fr. obs. I.* 220. *Erineum asclepiadeum Funk. Caeoma cronartites Link sp. II.* 65.

Ad folia Cynanchi Vincetoxici, in promontoriis Thuring., aestatis exeuntis tempore minime rarum.

1793. *A. Paeoniae W.*, pseudosporidochiis ex epidermidis tuberculo hemisphaerico transmissis tenerrimis erectiusculis, demum rigidulis puberulis pallide-cinnamomeis, hinc s. utrinque maculam subrotundam fuscam obsidentibus. — *Sphaeria flaccida Alb. et Schw. nisk.* 31. *t.* 7. *f.* 4. *Fr. syst. II.* 516.

Ad foliorum Paeoniae officinalis paginam inferiorem rarius. (Hoc neque a genere, neque genus nuper statutum et vix nisi fabrica tenaciore poroque angustiore pseudosporidochiorum sparsorum a praecedentibus diversum distinguere valeo.)

†††† *cancellaria*, *pseudosporidochiis ovalibus, a basi inde tenuiter fissilibus, apice mammillato cohaerentibus, polysporis.* — (*Aecidium Roestelia Dub. Roestelia Rebent.*)

1794. *A. cancellatum Pers.*, pseudosporidochiis conicis tenuiter membranaceis, foetis a basi inde in lacinulas tenerrimas setaceas fissis, apice mammillari convexo comprehensis albicantibus, tuberculo calloso obeso difformi insidentibus hincque maculam rubram nitidam

nigro-punctatam relinquentibus, sporidiis ferrugineo-fuscis majusculis. — *Caeoma Roestelites Link sp. II.* 64. *C. cancellatum Schltdl. l. l.* 111. *Uredo cancellata Spr. syst. IV.* 570. *Roestelia cancellata Rebent. neom.* 350. *t.* 2. *f.* 9. *Aecidium cancellatum Pers. syn.* 202. *Dub. DC. Nees syst. f.* 1. *Humb. frib.* 127. *Lycoperdon cancellatum L. sp.* 1654. *Jacq. austr. t.* 17. *Flor. dan. t.* 704.

Ad Pyri communis folia hypo-rarius etiam epigenum, auctumno sporidiis foetis, quibus profusis sporidochia saepius inquinantur. (Punctula maculam aversam signantia *Sphaeriam hypophyllam Rebent. neom.* 336. vel quoque ipsam *Sph. Aecidii Fr. in Kunz. et Schm. myk. Hft. II.* 41. praestant.) (Alias complures, a me quidem ad indigenas nondum lectas, denuo indagandas species nunc auctorum titulis modo laudo: *Aecidium Bunii DC., A. circinatum Gaertn., A. Hippocrepidis DC., A. Lychnidis Schulz., A. Peltigerae DC.* (*dubium omnino ac suspectum*), *A. Sonchi Opiz, A. Thalictri Grev., A. unilaterale DC., A. Limonii Dub., A. Ari Desm., A. Orchidearum Desm.*

b. myxoecii, sporidochio tenerrimo membranaceo, sporidiis conglobatis veluti nucleatis foeto, mucilagine difformi circumflua excepto.

209. MYXARIUM W. *Schleimnuss.*

Sporidochium ovatum tenerrimum membranaceum, sporidiis globosis albis jugiter conglobatis (siccando) grumosis farctum, massa mucilaginosa amorpha circumflua exceptum.

1795. *M. nucleatum W.*, sporidochio ovato vario nonnisi reniformi depresso helvolo, sporidiis globosis albentibus dense conglobatis farcto, in massa mucilaginosa difformi limpida pallide lutescente circumfluo. — *Tremella miculacea Wallr. olim.*

Ad ramulos putredine exesos (Crataegi) praeprimis, locorum udorum v. c. prope Heringam Thuring. (*Wallr.*)

(Vegetabile paradoxon, forsan cum *Nematelia nucleata Fr. syst. II.* 228 comparandum. Ramulis exesis, humi jacentibus massa mucilaginosa sequax limpida amorpha pallide-lutescens, siccando coacta membranae instar expansa incumbit, in qua 1-4 corpuscula compacta ovata saepius reniformia libere circumflua nidulantur, sporidiis globosis inter se liberis at jugiter conglobatis, nucleum gumosum mentientibus foeta.)

c. *dermatocecii, sporidochiis ex substantia propria, tum a cubilibus, tum a contentis aliena compositis, veluti corticatis, varie quidem figuratis, saepius tamen globosis, clausis omnino s. vertice reclusis, sporidiorum agmine inter se liberorum foetis.*

† *clausi, sporidochiis vix nisi fortuito reclusis.*

210. ? SCLEROCOCCUM FR. *Hartkorn.*

Sporidochium firmum nudum sporidiis globosis opacis, inter se cumque latusculis internis in tuberculum arcte conglutinatum.

1796. *Scl. sphaerale Fr.*, sporidochiis subglobosis sphaeriaeformibus sparsis subcorneis laevibus nigris, sporidiis globosis minutis opacis coactis foetis, lichenum blastema occupantibus. — *Sclerococcum sphaerale Fr. sched. cr. n.* 365., *syst. III.* 257. *Spiloma sphaerale Ach. syn.* 2. *Mart. crl.* 285. *Lecidea papillosa Ach. lich.* 171. *(apothecia.)*

Ad lichenum blastemata crustacea praeprimis Parmeliae sordidae W. (*germ. I.* 464.) s. ad Isidium corallinum. (Paradoxon vel solum *Friesii* auctoritate receptum.)

211. OSTRACOCOCCUM *W. Schalensporling.*

Sporidochium sessile subglobosum testaceum durissimum nitidum, sporidiorum globosorum nigrorum arctissime coactorum farcimine foetum illudque dein mediotenus s. utrinque tenuando transmittens.

1797. *O. graniforme W.*, sporidochio sessili testaceo s. gypsaceo durissimo nitido candido graniformi, primum globoso sporidiorum nigrorum globosorum arcte coactorum farcimine foeto illudque denique tenuando monstrante s. mediotenus utrinque transmittente.

Ad tomicem linteam in locis udis projectam Thuring. (*Wallr.*) (Vegetabile paradoxon, cujus morphosis quidem latet habitusque potius Myxomycetum naturam adpellare videtur, sporidochiis corticatis, duritiem gypsaceam attingentibus cumque sporidiorum nigrorum farcimine coacto, primum obducto dein hinc inde transmisso foetis, seminis papaverini molem aequantibus et fibris linteis appensis habitum suffultum mentientibus insigne.)

212. SPERMATODERMIA TOD. *Hautsporling.*

Sporidochium hemisphaericum sessile tuberoso-spongiosum, tegmine durissimo fibroso-cellulOso conflatum, sporidiis globosis minimis farctum.

1798. *Sp. clandestina Todc*, sporidochio hemisphaerico sessili, basi deplanato opaco nigro durissimo, sporidiis globosis minimis farcto iisque demum suffuso. — *Spermodermia clandestina Tod. mekl. I.* 1. *DC. gall. VI.* 17. *Kunze in myk. Heft. II.* 95. (*qui generis charact. emendavit*). *Sphaeriae leiphaemae status junior teste Fries syst. orb. I.* 159.

Inter corticem et laburnum arborum. (*Todc. Kunze.*) (Genus suspectum.)

213. PERIDERMIUM W. *Blasensporling.*

Sporidochium tenuissime membranaceum utriculiforme inflatum, sporidiis globosis liberis plurimis foetum, demum a basi inde solutum, veluti circumscissum.

(*Caeoma Peridermium Lk. Aecidium DC. Lycoperdon Willd.*) — A reliquis Aecidiis sporidochii indole aberrat.

1799. *P. Pini W.*, sporidochiis hemisphaericis s. oblongo-compressis sparsis utricularibus (siccando) fragilis-

simis, dein basin versus irregulariter rumpentibus, sporidiis sphaericis aurantiacis dein pallidioribus. — *Aecidium Pini Pers. in Gmel. syst.* 1473. *DC. gall. II.* 237. *Grev. tr. t.* 7. *Dub. gall. II.* 903. *Nees syst. f.* 4. *Caeoma pineum Link sp. II.* 66. *Lycoperdon pini Willd. in Usteri Magaz. II.* 16. *t.* 4. *f.* 12.

α. acicola, sporidochiis exiguis bullatis.

β. truncicola, sporidochiis speciosis vesicatis.

Ad ramos et folia Pini sylvestris, suis locis frequens, aliis plane non obvium.

214. ONYGENA PERS. *Hufsporling.*

Sporidochium capitatum sphaericum stipitatum, e floccis coactis corticatum irregulariter rumpens, sporidiis globosis liberis conglobatis farctum.

1800. *O. equina Pers.*, sporidochio capitato rotundo cervino s. e rosa debili pallente, basi saepius umbilicata, stipite concolore brevi (inter se nonnisi coalitis), primum laevi dein subtiliter verrucosa, demum varie irregulariterque diffracto, sporidiis concoloribus conglobatis. — *Onygena equina Pers. obs. II.* 71. *t.* 6. *f.* 3., *syn.* 203. *Alb. et Schw. nisk.* 112. *Schum. saell. II.* 220. (*quo loco etiam Piligena genus, forsan idem laudatur.*) *Nees syst. f.* 121. *Flor. dan. t.* 1309. *f.* 1. *Fr. syst. III.* 207. *O. caespitosa Pers. in Desv. Journ. II.* 30. *Lycoperdon equinum Willd. ber.* 412. *t.* 7. *f.* 20. — *Dill. hist. t.* 5. *Mich. gen. t.* 97. *f.* 8.

Ad ungulas putres equorum suis locis passim, aliis rarissimum, nec non ad cornua bovina et caprea, utrobique tamen rarius modo obvium.

1801. *O. corvina Alb. et Schw.*, sporidochio capitato globoso granuloso albido, stipite elongato sursum sensim attenuato suffulto, demum in frustula dehiscente, sporidiis globosis minutis hyalinis conglobatis. — *Onygena corvina Alb. et Schw. nisk.* 113. *t.* 9. *f.* 2. *Fr. syst. III.* 208. *O. hyssipus Ditmar in Sturm germ. III. t.* 12.

Ad pennas putres Lusatiae (*Alb. et Schw.*), nec non ad ossicula pellemque ab strigibus emuncta excrementa aegri rostoch. (*Ditmar.*)

1802. *O. fagínea Fr.*, sporidochio depresso-globoso ruguloso, e basi umbilicata in stipitem brevem aequalem producto, demum fatiscente caduco globumque sporophorum dilute fuscescentem decorticatum relinquente. — *Onygena fagínea Fr. syst. III.* 209. *O. decorticata Schwein.* (*extorris*); *an quoque Pers. obs. II.* 72. *t.* 6. *f.* 9. *vel potius haec Cribraria Onygena Schum.?*

Ad ligna Fagi exesa Hercyn. inferior. auctumno legi.

215. CENOCOCCUM FR. *Nusssporling.*

Sporidochium crassum suberoso-corneum intus farctum naucosum s. sponte non dehiscens, sporidiis globosis minimis pulverulentis liberis conglobatis farctum, fragile.

1803. *C. geóphilum Fr.*, sporidochio tornato-globoso libero hypogaeo arrhizo atro-piceo fragili vicinaeformi, sporidiis compactis foeto, demum inani. — *Cenococcum geophilum Fr. syst. III.* 65. *Lycoperdon graniforme Sowerb. fung. t.* 270.

Sub terra laxa fagetorum thuringiac. saepius vidi, quod ignobile plane ac singulare juveni tunc apparuit.

†† *sporidochiis sive in porum, sive in osculum (circumscissum) reclusis.*

216. CHAETOMIUM KZ. *Borstensporling.*

Sporidochium subglobosum tenuiter membranaceum fragile, pilis opacis rigidulis nudique vestitum, dein vertice mamillato poro regulari pertusum, demum irregulariter fatiscens, sporidia globosa profundens. (*Chaetomium Kz. Conopleae sp. auct. Vanhallia Marchand crypt. plant. van Luxemb. p.* 261.) (Caute tum a Conoplea et Exosporio, tum a Sphaeriis Pezizisque pilis propexis tor-

vis dignoscendum, quod sporidochio et sporidiorum indole Sporobolum ferme adpellat.)

1804. *Ch. epiphyllum Kz.*, sporidochio conoideo sessili punctiformi sparso atro, vertice pilos concolores cumosos porrectos emittente. — *Chaetomium epiphyllum Kunze in lit. ad specim.*

Ad folia sicca praeprimis radicalia pl. herbacearum, v. c. Dianthi superbi.

1805. *Ch. globosum Kz.*, sporidochio minuto adnato semigloboso undique pilis simplicibus divergentibus obsesso, sporidiis globosis. *Chaetomium globosum Kunz. myk. Hft. I.* 16. *Fr. syst. III.* 255.

Ad caules herbarum elatiorum (Dianthi Carthusianorum v. c.) passim. (Ab hoc vix nisi loco in foliis deciduis acerosis rarius obvium differre videtur *Chaetomium pusillum Fr. l. l.* Haud longe forsan etiam distat *Sphaeria exilis Alb. et Schw. nisk.* 44. *t.* 9. *f.* 4. in lignis populneis putridis.)

1806. *Ch. strigosum W.*, sporidochio minuto hemisphaerico tenerrimo, a basi inde pilis porrectis assurgentibus atipatis nigris obsesso, dein vertice in discum albidum sporidiis paucis globosis foetum recluso. — *Sphaeria phaeocomes Rebent. neom.* 338. *t.* 1. *f.* 4. *Fr. syst. II.* 515.

Ad folia graminum mollium, Holci praeprimis lanati Thuring., auctumno passim.

1807. *Ch. coccodes W.*, sporidochio globoso sessili sparso verrucaeformi atro tenerrimo undique pilis brevibus rigidis porrectis horrido dein caduco, sporidia conglobata nuda relinquente.

Ad Solani tuberosi tubera mucida hyemis tempore passim.

1808. *Ch. chartarum Ehrenb.*, sporidochio subgloboso nigro, halone laete flavicante cincto, sporidiis subglobosis. — *Chaetomium chartarum Ehrenb. sylv.* 15. *Fr. syst. III.* 254.

Ad chartam emporeticam putrem. (*Ehrenberg.*)

1809. *Ch. circinans W.*, sporidochiis globosis minutissimis nigris, pilis brevibus rigidis concoloribus porrectis hispidis nitidulis, vertice albo reclusis, in orbem maculae fuscenti insidentem dispositis s. a centro inde circinantibus, sporidiis microscopicis subrotundis. — *Exosporium Rubi auct. Dothidea Chaetomium Kunz. Fr. syst. II.* 563. *Sphaeria Ruborum Wallr. in lit.* 1812.

Ad folia Ruborum nostratium vegetorum passim at fugax satis solisque maculis dilute fuscescentibus superstes.

1810. *Ch. Potentillae W.*, sporidochio globoso minutissimo nigro, pilis brevibus rigidis concoloribus assurgentibus obtecto opaco, vertice albo reclusis, secundum nervos folii aggregato-seriatis lineas continuas hirtas mentientibus. — *Dothidea Potentillae Fr. syst. II.* 563. *Sphaeria Potentillae Wallr. in lit.*

Ad Potentillae anserinae foliorum faciem superiorem, agri haleus. (*Wallr.*) (Pulchrum satis, at ob minutiem negre definiendum, rectius tamen huc trahendum.)

1811. *Ch. depressum W.*, sporidochio depresso-globoso nonnisi ovali, a basi inde pilis brevibus rigidis nigris assurgentibus torvo, dein a vertice inde apertis discum sporophorum recludentibus.

Ad ramulos siccos liguaque abietina uda, minime rarum auctumno.

1812. *Ch. atrum Lk.*, sporidochiis confertis mollibus subrotundis majusculis nonnisi effusis atris, pilis propexis horridis, demum fragilibus, sporidia copiosissima profundentibus. — *Chaetomium atrum Link sp. I.* 46. *in adnot. Dub. gall. II.* 876. *Vanhallia atra March. l. l. Conoplea atra Pers. syn.* 255.

Ad ligna semiputria locorum udorum.

1813. *Ch. gelatinosum Ehrenb.*, sporidochio subgloboso gelatinoso pellucido, basi pilis fibrosis insidente. — *Chaetomium gelatinosum Ehrenb. sylv.* 15. 27. *Fr. syst. III.* 254.

In similibus cum sequente locis (*Ehrenberg*), pro cu-
statu immaturo etiamnum magis gelatinoso *Fricsius*
larat.

1814. *Ch. pannosum W.*, sporidochiis globosis ma-
ulis fragilissimis sordide-nigris, sporidia ovalia minu-
ima centro punctata numerosissima continentibus il-
demum undique profundentibus, pilis stipatis opacis
fulis implexo-crispis undique obtextis, glebas panno-
dein confluentes stygias sporidiis concoloribus ob-
s arcte contextas mentientibus.
Ad Helianthi annui caules siccos hort. northusan. (Rhaco-
m s. Sphaeriam byssisedam ejusque incunabula Hyphas-
is griseo-fusci nomine nota fere refert habitu externo et
ridiis uberrime superfusis et ex sporidochio rarius in-
ro profusis sub vitro pannum pulverulentum aemulatur.)

1815. *Ch. elatum Kz.*, sporidochio sessili globoso,
elevato turbinato tenuiter membranaceo punctulato
, basi pilis simplicibus brevioribus, superne producti-
us vage ramosis implexis divergentibus incomto s.
esso, vertice poro regulari pertuso sporidiisque ellip-
s copiosissimis foeto, demum diffluente. — *Chaeto-
m elatum Kunz. et Schm. D. Schw. n.* 184. *Dub.
l. II.* 875. *Grev. crypt. t.* 230. *Fr. syst. III.* 254.
noplea elata Spr. syst. IV. 554.
Ad folia culmosque graminum aquaticorum, maxime
Arundines siccatas stabulorum tectis superinjectas, vel
oque ad Jencum communem in cavcis udis ad terram
ectam, agri halens, et heriugens, minime rarum gregi-
que undique excurrentibus, fere millenis profusum.
atias profecto a Conoplea distinguendum, cujus spo-
ochium fragile saepius pilis fastigiatis in penicillos s.
sculos densos collectis penitus obruitur et aegre patet.)

217. CYLICHNIUM W. *Büchsensporling.*

Sporidochium vasculare sessile epiphloeodes tenuiter
mbranaceum fragile, primum sporidiis conglobatis glo-
is liberis majusculis pellucidis foetum, operculo pla-

niusculo conformi obturatum idque demum circumscissum abjicieus, demum effoetum ollare persistens.

1816. *C. operculatum W.*, sporidochio tenuite membranaceo sessili subgloboso fuscescente, operculo conformi depresso primum obturato, sporidiis globosis conglobatis fuscis foeto, demum ore circumscisso recluso ollari diutius persistente.

Ad arborum (Salicum praeprimis, Prunorum et Malorum) cortices lichenum gonidiis asynthetis superfusos in hort. heringens. Thuring. (*Wallr.*) (Mycetes satis singularis, sporidochii operculati figura ad Craterium, Myxomycetum genus revergens, morphoseos ratione tamen huic modo ac Calycio analogus, vel cum *Sphaerocarpa Schum.* (*saell. II.* 220.), a *Friesio* (*syst. III.* 148.) Craterio nutanti subscripta comparandus, nec cum *Eustegia Fr.* commutandus.)

†† *sporidochiis figuratis in discum patellarem sporophorum reclusis.*

218. MYROTHECIUM TODE. *Tausendsporling.*

Sporidochium indeterminatum e floccis delicatis laxis contextum, vertice demum fatiscens, sporidiis minutis globosis simplicibus, primum pulposis, dein in discum coactis liberis foetum.

1817. *M. roridum Tode*, sporidochio subrotundo dein confluendo difformi candido, sporidiis cylindricis viridibus, dein nigrescentibus. — *Myrothecium roridum Tod. mecl. t. 5. f. 38. Fr. syst. III. 217. M. Charmichaëlii Grev. cr. t. 140. Dacrydium roridum Link obs. I. 39.* (*sporidiis roseis.*)

Ad ligna quisquiliasque putres rarissime.

1818. *M. Verrucaria Ditm.*, sporidochio circumscripto adnato subrotundo candido planiusculo, discum sporidiis ovatis olivacco-nigris obductum revelante. — *Myrothecium Verrucaria Ditmar in Sturm germ. III. t. 4. Peziza Verrucaria Alb. et Schw. consp. 340. t. 8. f. 6.*

Ad folia exsa Lapsanae et Cucumerum in agro rostock. (*Ditmar.*)

1819. *M. inundatum Tod.*, sporidochio candido polymorpho, discum planum sporidiis globosis viridi-nigrescentibus superfusum recludente. — *Myrothecium inundatum Tod. l. l. f.* 39. *Nees syst. f.* 98. *Ditmar l. l. t.* 3. *M. viride Pers.*

Ad fungos putrescentes, v. c. Hercyn. rarissime.

219. STEPHANOMA W. *Kronensporling.*

Sporidochium sessile tenuissime membranaceum, extus pilis septatis adpressis ad marginem prominentibus munitum s. strigosum, primum sphaericum connivens, dein in discum strato sporidiorum globosorum albarum, ambitu vesiculiferorum angulato-stellatorum liberorum furfuraceo obductum, deplanatum, pezizaeforme.

1820. *St. strigosum W.*, sporidochio sessili, primum pisiforme, dein scutellato-deplanato tenerrimo fragili, extus margineque pilis tenuibus propexis septatis fusco-castaneis hirto, disco aperto sporidiis albis angulato-stellatis liberis farinoso-furfuraceis superfuso. — *Asterothecium strigosum Wallr. in lit.*

Ad terram nudam glareosam quercetorum collinorum agri heringens. Thuring., auctumno, rarius. (*Wallr.* 1816.) (Vegetabile perquam singulare, habitu pezizoideo quodammodo alienum, attentius vero adspectum longe diversum. Sporidochium laxe-obsoleteque cellulosum, primum subglobosum pisiforme, dein deplanatum, extus pilis longis tenerrimis regulariter septatis fuscis, ad marginem propexis horridum iisque densis fusco-virescens; discus apertus sporidiis majusculis hyalinis subrotundis, circumcirca alia minora, in coronulam veluti disposita jungentibus, angulato-stellatis, liberis, densis farinoso-pulverulentis superfusus.)

niusculo conformi obturatum idque demum circumscissum abjiciens, demum effoetum ollare persistens.

1816. *C. operculatum W.*, sporidochio tenuiter membranaceo sessili subgloboso fuscescente, operculo conformi depresso primum obturato, sporidiis globosis conglobatis fuscis foeto, demum ore circumscisso recluso ollari diutius persistente.

Ad arborum (Salicum praeprimis, Prunorum et Malorum) cortices lichenum gonidiis asynthetis superfusos in hort. heringens. Thuring. (*Wallr.*) (Mycetes satis singularis, sporidochii operculati figura ad Craterium, Myxomycetum genus revergens, morphoseos ratione tamen, huic modo ac Calycio analogus, vel cum *Sphaerocarpa Schum.* (*saell. II.* 220.), a *Friesio* (*syst. III.* 148.) Craterio natanti subscripta comparandus, nec cum *Eustegia Fr.* commutandus.)

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Ad ligna quisquiliasque putres rarissime.

1818. *M. Verrucaria Ditm.*, sporidochio circumscripto adnato subrotundo candido planiusculo, discum sporidiis ovatis olivaceo-nigris obductum revelante. — *Myrothecium Verrucaria Ditmar in Sturm germ. III. t. 4. Peziza Verrucaria Alb. et Schw. consp. 340. t. 8. f. 6.*

Ad folia exsca Lapsanae et Cucumerum in agro rostoch. (*Ditmar.*)

1819. *M. inundatum Tod.*, sporidochio candido polymorpho, discum planum sporidiis globosis viridi-nigrescentibus superfusum recludente. — *Myrothecium inundatum Tod. l. l. f.* 39. *Nees syst. f.* 98. *Ditmar l. l. t.* 3. *M. viride Pers.*

Ad fungos putrescentes, v. c. Hercyn. rarissime.

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Ad terram nudam glareosam quercetorum collinorum agri heringens. Thuring., auctumno, rarius. (*Wallr.* 1816.) (Vegetabile perquam singulare, habitu pezizoideo quodammodo alienum, attentius vero adspectum longe diversum. Sporidochium laxe-obsoleteque cellulosum, primum subglobosum pisiforme, dein deplanatum, extus pilis longis tenerrimis regulariter septatis fuscis, ad marginem propexis horridum iisque denuis fusco-virescens; discus apertus sporidiis majusculis hyalinis subrotundis, circumcirca alia minora, in coronulam veluti disposita jungentibus, angulato-stellatis, liberis, densis farinoso-pulverulentis superfusus.)

220. ASTEROPHORA DITM. *Sternsporling.*

Sporidochium capitatum, a stipite discretum, e floccis jugiter contextum, vertice irregulariter dehiscens stratumque sporidiorum angulatorum liberorum compactum superum recludens.

(*Asterophora Ditm. Elvellae et Agarici sp. auct.*) (Habitu capitato-pileato cum Hymenomyc. analoga.)

1821. *A. agaricoides Fr.*, sporidochio primum capitato hemisphaerico clauso stipiteque solido, villo tenui velato albo-cinerascente, demum subtus lamellato verticeque inde in stratum sporophorum compactum convexum cervinum fatiscente. — *Asterophora agaricoides Fr. syst. III.* 205. *A. lycoperdoides Ditmar in Sturm germ. III.* 53. *t.* 26. *Agaricus lycoperdoides Bull. herb. t.* 519. *Pers. syn.* 325. *Nees syst. f.* 194.

Ad Agaricos putres (A. piperatum praeprimis et adustum) auctumno, rarissima. (Gregaria plerumque. Stipes solidus uncialis crassiusculus aequalis villosus cinerascens, intus fibrosus. Sporidochium hemisphaericum dein magis depressum, nunc tomento tenui albo tectum et clausum eoque tenuando evanescente stratum sporophorum cervinum convexum patefacicns. Lamellae adnatae crassiusculae distantes. Agaricum parasiticum *Bull.* fere refert *Friesio* teste.)

1822. *A. lycoperdoides Fr.*, sporidochio primum capitato globoso clauso breviter stipitato, villo tenui obtexto, subtus laevi, vertice stratum sporophorum furfuraceum recludente. — *Asterophora lycoperdoides Fr. syst. III.* 206. *Elvella Clavus Schaeff. fung. t.* 279. *Agaricus lycoperdoides Sowerb. t.* 279.

Ad Agaricum adustum putrescentem neque minus rara. (*A. physaroïden F.*, sporidochio globoso subtus laevi stipite elongato sulfuito, forsan diversam neque legi neque vidi.)

Ordo III.

HYPHOMYCETES M. *Schimmelpilze.*

Vegetabilia simplicia satis ac subtilia, socialia, vegetationis mycetoideae continuatae symbola perfectiora, Asporomycetum cellulas solutas et Sporomycetum sporidia libera veluti ad synthesin propriam redintegrantia, putredinis corporum organicorum quorumcunque tum incuntis tum penitius subeuntis pedisequa, fervescendi periodo potissimum ex mycelio abscondito subeuntia, morphosin accelerantia et subito finientia, saepius ephemera, colore plerumque hyalino, raro laetius tincto, ipso stygio rarissime insignia, stromatis loco ex *hyphis* (*flocci*, *fila*, *filamenta auct.*) filamentosis tubulosis continuis s. septatis homogenis iisque nunc distinctis *hyphasma* (*thallus Link*) simplex, arachnii instar intertextum s. in strata s. caespites floccosos pulvinatos laxe comprehensum, nunc inter se coactis, hyphasma compositum s. figuratum praestantibus, varie digestis, cum cubilibus succubis s. ex illis integris omnino assurgentibus, illico plerumque *sporidia* simplicia septatave homogena, sporulis forsan foeta, nunc libere inspersa (*Hyphomycetes epispori*), nunc hyphae simplici s. compositae figuratae magis minusve jugiter appensa (*H. synspori*), nunc veluti peridiolo vesiculoso satis tenero nec carnoso nonnisi in sporidia diffluente, hyphis stipitiformibus firmis sustentato eamque terminante recondita s. excepta (*H. entospori*) producentibus insignia, oculis nudis abjecta quidem, armatis tamen formarum concinnarum figuratione praeclara.

(*Hyphomycetes Mart. Nees. Fr. Lk. sp. excl. tamen plurimis gener. Asporo- et Pyrenomycetum*). *Mucedines Lk. obs. excl. gener. asporis. Mucedineae Brong. Dub. excl. phyllericis et byssinis.* — (Ambigunt quasi inter Asporo- et Sporomycetum ordines elementares il-

losque stromatis parte analoga utplurimum asyntheta, hos sporidiorum similitudine aemulantur et hypha demta s. addita totidem fere genera analoga praestant.

A. epispori, sporidiis simplicibus septatisve, sine ordine hyphae simplici adspersis, liberis omnino, foetis demum aufugis.

a. hyphis asynthetis hyphasma laxe contextum in stratum decumbens implexum construentibus.

* *sporidiis simplicibus.*

221. MYCOBANCHE PERS. EMD. *Rostschimmel.*

Sporidia sphaerica majuscula utrinque aequalia s. hinc mucronulata simplicia demum confertiora, cubilia penetrantia hyphamque ramosam parcam septatam demum abstergendo obliterantia.

(*Sporendonema Desm. Dub. Sepedonium Lk. Mycobanche Pers. comest. Uredinis sp. Pers. syn. Mucoris sp. Bull. Trichodermatis sp. Alb. et Schw. Mycogone Pers. myc.*) — Erysibae analoga.

° *sporidiis globosis.* (*Sepedonium Lk.*)

1823. *M. chrysosperma Pers.*, hyphis effusis dein obtextis crassiusculis cubilia perreptantibus demum caducis, sporidiis globosis magnis copiosissimis flavis obliteratis — *Sepedonium mycophilum Lk. obs. I.* 16., *spec. I.* 29. *Dub. gall. II.* 925. *Mart. crl.* 334. *Nees syst. f.* 38. *Grev. cr. t.* 198. *Sporotrichum mycophilum Spr. syst. IV.* 549. *Uredo mycophila Pers. syn.* 274. *DC. gall. II.* 230. *Mycobanche chrysosperma Pers. fung. comm.* 133. *Trichoderma mycophilum Alb. et Schw. nisk.* 122. *Reticularia chrysosperma Bull. t.* 467. *Mucor chrysospermus Bull. t.* 504. *f.* 1. *Sowerb. fung. t.* 378.

Hymenomycetes (Hercyn. infer. et superior.) primum foras tegminis tenuioris lanei instar infestat, demum sporidiis sine numero increbrescentibus penitiusque subeuntibus parenchyma totum fungi, Erysibes instar infarcit et colore alieno aureo undique profuso oculos allicit.

1824. *M. miniata W.*, hyphis tenuissimis effusis albis cubilia obducentibus illaque demum sporidiis subglobosis pulverulentis miniato-rubris increbrescentibus penitius infarcientibus. — *Sporendonema casei Desmaz. mém. t. 3. f. 1. Dub. gall. II. 925. Sepedonium caseorum Lk. sp. I. 29. Oidium rubens Lk. obs. II. 37. Aegerita crustacea DC. gall. II. 72. Mucor crustaceus Bull. champ. t. 100., herb. t. 504. f. 2.*

Ad caseos vetustos, tum nostrates, tum helveticos et belgicos, quos demum sporidiis coloratis infarcit et non solum extus sed quoque intus pulvere veluti miniato saepius inquinat.

** *sporidiis hinc appendiculatis s. basin filiformem exserentibus.* (*Mycogone Lk. et auct.*)

1825. *M. rosea W.*, hyphis tenuibus albis dense contextis, sporidiis rubris hinc productis. — *Mycogone rosea Lk. obs. I. 16. M. incarnata Pers. myc. I. 26. M. alba Pers. l. l. (status juvenilis.)*

Hymenomycetes (Agaricos praeprimis) primum foras hyphasma spargendo dein sporidia profundendo et penetrando infestat et *Persoonio* auctore foetet.

1826. *M. cervina W.*, hyphis tenerrimis albis in hyphasma effusum lanosum contextis, sporidiis flavo-fuscis globosis majusculis, hinc appendiculo globoso auctis. — *Mycogone cervina Ditmar in Sturm germ. t. 53. Pers. myc. I. 26. Link sp. I. 30. Dub. gall. II. 917.*

Ad Pezizam macropodem agri rostoch. (*Ditmar*), quam pellis murini instar obducendo et dein penetrando enecat.

1827. *M. flava W.*, hyphis tenerrimis effusis albis septatis dein sporidiorum ovato-oblongorum utrinque acuminatorum congerie obliteratis grumulosque confluentes flavos nitidos mentientibus. — *Sepedonium flavum Walle. in lit. Epochnium flavum Kz. in liter. ad specim.*

Ad lignum Tiliae putredine exesum Thuring. (Hyphae dein sporidiis in grumulos crassiusculos congestis hinc s. utrinque appendiculatis hyalinis majusculis obliterantur.)

222. GONYTRICHUM NEES. *Kniehschimmel.*

Hypha intricata nodosa ibique ramos conformes subverticillatos exserens. Sporidia globosa simplicia inspersa.

1828. *G. caesium Nees*, hyphis rigidulis dense contextis intricatis fusco-caesiis hyphasma pulvinatum constituentibus, sporidiis minutissimis pellucidis. — *Gonytrichum caesium Nees in act. Leopold. IX.* 244. *t.* 15. *f.* 14. *Pers. myc. I.* 19. *Lk. sp. I.* 32. *Sporotrichum verticillatum Spr. syst. IV.* 548.

Ad ramos quercinos dejectos Franconiae. (*Nees.*)

223. BYSSOCLADIUM LK. *Strahlenschimmel.*

Hypha intricata ramosa septata radiatim expansa. Sporidia globosa exigua libera adspersa.

1829. *B. fenestrarum Lk.*, hyphis intricatis ramosis arachnoideis decumbentibus, peripherieis expansis radiantibus, centralibus congestis caesio-virentibus, sporidia umbrino-fuliginosa inspersa foventibus. — *Byssocladium fenestrale Mart. crl.* 337. *Agrdh syst.* 31. *Link obs. II.* 36. *Nees syst. f.* 47. *Sporotrichum fenestrale Ditmar in Sturm germ. III. t.* 1. *Link sp. I.* 19. *Dub. gall. II.* 924. *Conferva fenestralis Roth germ. III.* 495. *Dillw. conf. t.* 94. *Flor. dan. t.* 1668. *f.* 1.

Ad fenestrarum commissuras putres, ex quibus ad vitra solet transmigrare. (Plures Algis genus adnumerant; alii cum priore, habitu tantum nec sporidiorum indole diversum, sequenti subscribunt.)

224. SPOROTRICHUM LK. *Sporenschimmel.*

Hyphae ramosae subdecumbentes intricatae septatae liberae hyphasma arachnoideo-lanosum variorum colorum praestantes. Sporidia simplicia utrinque obtusa aequalia libere inspersa facile aufuga.

(*Sporotrichum Kk. et auct. Asporotrichum, Aleurisma et Alytosporium Lk.* (Genus amplum, aliis sigillatim

expositis procul dubio amplificandum, vagum tamen aliarum forsan initia ipsosque lichenes apud *Linckium* comprehendens vel stroma hyphoideum Alphitomorpharum quarumdam mentiens. Oosporae analogon genus.

† *leucospora, sporidiis hyalinis albis.*

1830. *Sp. candidum Lk.*, hyphis vagis adpressis laxe contextis hyphasma tenerrimum demum effusum praestantibus, sporidiis globosis concoloribus albis. — *Sporotrichum candidum Link obs. I. 9., spec. I. 2. Nees syst. f. 45. B. Mart. crl. 336.*

Ad truncos putres nemorum umbrosorum passim.

1831. *Sp. Boletorum Ehrenb.*, hyphis hyalinis albis in hyphasma crassiusculum dein effusum dense implexum contextis, sporidiis variis maximis, aliis oblongis, aliis subcylindricis subannulatis. — *Sporotrichum Boletorum Ehrenb. sylv. 10. 22. Schltdl. berol. 141. Trichothecium Boletorum Spr. syst. IV. 552.*

Ad Boletos aridos agri berol. *(Ehrenberg.)*

1832. *Sp. laxum Nees*, hyphis vagiter ramosis adpressis hyphasma tenuissimum demum effusum constituentibus, sporidiis concoloribus oblongis parcius adspersis. — *Sporotrichum laxum Nees syst. f. 45. Link spec. I. 1. nec. Mart.*

Ad ligna putria passim.

1833. *Sp. obducens Lk.*, hyphis adpressis albis in hyphasma tenue primum circumscriptum dein effusum dense jugiterque constipatis, cubilia obducentibus, sporidiis globosis concoloribus. — *Sporotrichum obducens Link spec. I. 2. Pers. myc. I. 74.*

Ad ligna truncorum exesorum decorticata.

1834. *Sp. polysporum Lk.*, hyphis albidis hyalinis in hyphasma pulvinatum crassiusculum molle laxe intertextis, sporidiis globosis minutis concoloribus plurimis interspersis. — *Sporotrichum polysporum Link sp. I. 2. Mart. crl. 336. Pers. myc. I. 74.*

Ad cortices arborum putredine exesos.

1835. *Sp. lanatum W.*, hyphis ramosissimis implexis albo-pallescentibus pellucidis parce septatis polysporis in hyphasma pulvinatum mollissimum elasticum laxe contextis, sporidiis globosis minimis plurimis concoloribus demum aufugis.

Ad pennas anserinas in cryptis putredine exesas agri northusan. (Hyphae demum magis pallescunt et aliquam cum praeced. quidem similitudinem, loco tamen natali et sporidiis aliquantulum majoribus differentiam suadent.)

1836. *?Sp. byssinum Lk.*, hyphis centrifugis apicem versus expansis albis in hyphasma tenuissimum effusum laxe contextis, sporidiis globosis minutis concoloribus. — *Sporotrichum byssinum Link sp. I. 20. Byssocladium candidum Lk. obs. II. 36. Himantia plumosa Pers. myc. I. 90.*

Ad folia arborum dejecta. (*Link.*) (Cautius profecto tum ab Alphitomorphis tum ab Ozonio candido *Mart.*, si quidem differt, dignoscendum, *Linkii* auctoritate tamen laudatum.)

1837. *Sp. Pellicula Lk.*, hyphis tenerrimis hyalinis primum erectiusculis deiu subsidentibus in hyphasma tenerrimum candidum jugiter intertextum constipatis, sporidiis globosis minutis parcius interspersis. — *Sporotrichum Pellicula Link spec. I. 3.*

Ad caules herbarum siccos, Georginarum praeprimis hortensium passim.

1838. *Sp. fructigenum Lk.*, hyphis abbreviatis hyalinis obsolete septatis in hyphasma caespitosum parvum crassiusculum albidum congestis, sporidiis globosis inflatis majusculis superfusis. — *Sporotrichum fructigena Link spec. I. 4. Pers. myc. I. 74. Sp. macrosporum Spr. syst. IV. 548. Aleurisma macrosporum Link obs. II. 38. Acrosporium fructigenum Pers. myc. I. 24. Torula fructigena Pers. obs. I. 26. t. 1. f. 7. Monilia fructigena Pers. syn. 693.*

Ad arborum pruniferarum fructus immaturos tabidos,

Cerasa, Persica et Armeniaca praeprimis miaime rarum, auctumno. (Tum habitu, tum sporidiorum indole ac mole quadantenus desciscit.)

1839. *Sp. Fungorum Lk.*, hyphis protensis laxe in hyphasma tenerrimum effusum lanosum contextis, sporidiis globosis minutis. — *Sporotrichum fungorum Link sp. I.* 4.

Ad fungos putres passim.

1840. *Sp. agaricinum Lk.*, hyphis parcis hyalinis in caespites pertenues sporidiis globosis obliteratos junctis. — *Sporotrichum agaricinum Link Jahrb. I.* 170. *?Ehrenb. sylv.* 10. *Sp. saccharinum Link obs. I. I.*

In similibus cum priore locis at parcius.

1841. *Sp. densum Lk.*, hyphis parce ramosis hyalinis candidis in hyphasma crassiusculum densum constipatis, sporidiis globosis minutis. — *Sporotrichum densum Link obs. I.* 11., *spec. I.* 4. *Nees syst. f.* 45. *C. Mart. Ehrenb. Pers. myc. I. I.*

Ad insecta emortua in umbrosis passim, nec non ad folia carnesque mucidas.

1842. *Sp. inquinatum Lk.*, hyphis hyalinis candidis laxe-circumscripteque contextis, sporidiis globosis primum concoloribus dein pallide-lutescentibus plurimis obliteratis — *Sporotrichum inquinatum Link sp. I.* 5. *Sp. merdarium album Link obs.*

Ad merdam humanam siccam. (*Ehrenberg.*)

†† *ochrospora, sporidiis flavicantibus.*

1843. *Sp. merdarium Ehrenb.*, hyphis laxe implicitis albidis in hyphasma crassiusculum circumscriptum conjunctis, sporidiis globosis flavis. — *Sporotrichum merdarium Ehrenb. sylv.* 10. *Schltdl. berol. II.* 143.; *var. flava Link sp. I.* 10.

In iisdem cum priore locis. (*Ehrenberg.*)

1844. *Sp. luteo-album Lk.*, hyphis tenerrimis

parcis laxe intertextis albis, sporidiis globosis minutis flavescentibus. — *Sporotrichum luteo-album Link spec. I.* 9.

Ad caules herbarum elatiorum siccos.

1845. *Sp. laetum Lk.*, hyphis subtilissimis parcis rariter dispersis, sporidiorum globosorum minutorum flavissimorum strue obliteratis.

Ad ligna putria sub umbra dejecta.

1846. *Sp. vitellinum Lk.*, hyphis teneris protensis in hyphasma crassiusculum stuposum longe excurrens implicitis albidis hyalinis, sporidiis globosis vitellinis demum pallidioribus uberrimis obtectis. — *Sporotrichum vitellinum Link obs. I.* 11., *spec. I.* 10. *Mart. crl.* 337.

Ad asseres putrescentes agri rostoch. (*Siemssen.*)

1847. *Sp. flavissimum Lk.*, hyphis protensis ramosis hyalinis in hyphasma crassam longe effusam stupoeam laxe congestis, sporidiis globosis minutissimis flavissimis. — *Sporotrichum flavissimum Link obs. II.* 34., *spec. I.* 9. *?Sp. sulfureum Grev. cr. t.* 108. *f.* 2. *an quoque Ehrenb. et Schmalz.?*

Ad ligna putrida passim.

††† *erythrospora*, *sporidiis e rosa minioque magis minusve rubescentibus.*

1848. *Sp. stercorarium Lk.*, hyphis raris effusis hyalinis sporidiorum uberrimorum globosorum roseorum strue obtectis. — *Sporotrichum stercorarium Ehrenberg sylv.* 11. *Schltdl. berol. II.* 143.

Ad stercus humanum siccum.

1849. *Sp. scotophilum Lk.*, hyphis implicitis in hyphasma crassiusculum contextis, sporidiis globosis rubris. — *Sp. scotophilum Ehrenb. et Schltdl. l. l.*

In iisdem cum priore locis, inter se vix diversa.

1850. *Sp. ollare Pers.*, hyphis assurgentibus dein decumbentibus effusis albis protensis, sporidiis globosis

roseis subconcentricis. — *Sporotrichum ollare Pers. myc. I.* 81. *Sp. roseum Link obs. I.* 33.

Ad muros ollasque figulinas terra uda repletas passim.

1851. *Sp. mycophilum Lk.*, hyphis crispulis tenuibus parce dispersis, sporidiis globosis rubris uberrimis obrutis. — *Sporotrichum mycophilum Link spec. I.* 15. *Pers. myc. I.* 80.

Ad fungos exsiccatos passim.

1852. *Sp. lateritium Ehrenb.*, hyphis laxe tenuiterque intertextis demum confluentibus, sporidiis ovalibus (oblongis) minimis copiosissimis superfusis. — *Sporotrichum lateritium Ehrenb. sylv. II.*

Ad rejectamenta hortorum. (Sequentis potius lusus?)

1853. *Sp. aureum Lk.*, byphis crispulis in hyphasma crassiusculum pulvinatum laxe congestis, sporidiis globosis croceis creberrimis superfusis. — *Sporotrichum aureum Link obs. I.* 11., *sp. I.* 15. *Aegerita aurantia DC. gall. II.* 72. *Mucor aurantius Bull. t.* 504. *f.* 5.

Ad ligna putria, alnea praeprimis.

1854. *Sp. croceum Kz.*, hyphis parce ramosis croceis in hyphasma crassiusculum contextis, sporidiis ovalibus minutis concoloribus creberrimis superfusis. — *Sporotrichum croceum Kunz. et Schm. myk. Hft. I.* 81. *Dub. gall. II.* 923. *Ozonium croceum Pers. myc. I.* 86. *Alytosporium croceum Link spec. I.* 24. *Himantia sulfurea Pers. syn.* 703.

Ad quisquilias putres a luce retractas. (Pro Thelephorae sulfureae statu degenere habet *Fricsius.*)

1855. *Sp. pannorum Lk.*, hyphis abbreviatis parce ramosis tenuibus, sporidiis copiosis subglobosis uberrimis rubro-miniatis obliteratis. — *Sporotrichum pannorum Link spec. I.* 13.

Ad pannos putrescentes. (*Ehrenberg.*) (Quod equidem legi colore miniato differre videtur et sporidia saepius seriata edit, cautius hyphis intertextis tenuioribus

et sporidiis minoribus a Trichodermate cinnabarino dignoscendum.)

1856. *Sp. coccineum W.*, hyphis tenerrimis brevibus dense intertextis coccineis cum sporidiis concoloribus globosis microscopicis hyphasma tenuiter membranaceum belle coccineum construentibus. — *?Chroolepus cobaltigineus Agrdh syst.* 35. *Lepraria cobaltiginea Schrank salisb. Ach. meth.* 7. *Byssus cobaltiginea Wulff. in Jacq. coll. II. t.* 12. *f.* 1. *B. cobalti flos Scop. Lichen cobaltigineus Ach. prodr.*

Ad terram gypsaceam udam German. austral. (*Wulfen. Schrank. Scopoli*), equidem prope Steigerthal Hercyn. infer. (Vegetabile dubium, a nuperis, ni fallor, neglectum, colore belle coccineo oculos allicieus et forsan huc referendum.)

1857. *Sp. helvolum W.*, hyphis tenerrimis pellucidis parce ramosis continuis pallido-fuscescentibus, sporidiis simplicibus ovatis pellucidis magnis facile aufugis, hyphasma tenue sericeum obliterantibus helvolis.

Ad Alni lignum putridum Thuringiae (*Wallr.*)

†††† *phaeospora, sporidiis fuscescentibus.*

1858. *Sp. cinnamomeum W.*, hyphis intricatis ramosis fusco-cinnamomeis cum sporidiis inspersis concoloribus globosis microscopicis, hyphasma pannosum effusum tenerrimum laxe intertextum constituentibus.

Ad corticem internum putrem Aceris campestris. (*W.*)

1859. *Sp. fusco-album Lk.*, hyphis implexis ramosis validis hyalinis in hyphasma lanosum crassiusculum effusum laxe intertextis, sporidiis subglobosis magnis creberrimis fuscis intus granulosis. — *Sporotrichum fusco-album Link spec. I.* 11. *Pers. myc. I.* 77. *Sp. vosporum Ehrenb. sylv.* 10. *Schltdl. berol. II.* 143.

Ad cortices arborum putres Silesiae (*Link*), agri berolin. (*Ehrenberg*), Thuring. (*Wallr.*)

1860. *Sp. tortuosum W.*, hyphis intricatis pella-

et sporidiis minoribus a Trichodermate cinnabarino dignoscendum.)

1856. *Sp. coccineum W.*, hyphis tenerrimis brevibus dense intertextis coccineis cum sporidiis concoloribus globosis microscopicis hyphasma tenuiter membranaceum belle coccineum construentibus. — *?Chroolepus cobaltigineus Agrdh syst.* 35. *Lepraria cobaltiginea Schrank salisb. Ach. meth.* 7. *Byssus cobaltiginea Wulff. in Jacq. coll. II. t.* 12. *f.* 1. *B. cobalti flos Scop. Lichen cobaltigineus Ach. prodr.*

Ad terram gypsaceam udam German. austral. (*Wulffen. Schrank. Scopoli*), equidem prope Steigerthal Hercyn. infer. (Vegetabile dubium, a nuperis, ni fallor, neglectum, colore belle coccineo oculos allicicns et forsan huc referendum.)

1857. *Sp. helvolum W.*, hyphis tenerrimis pellucidis parce ramosis continuis pallido-fuscescentibus, sporidiis simplicibus ovatis pellucidis magnis facile aufugis, hyphasma tenue sericeum obliterantibus helvolis.

Ad Alni lignum putridum Thuringiae (*Wallr.*)

†††† *phaeospora, sporidiis fuscescentibus.*

1858. *Sp. cinnamomeum W.*, hyphis intricatis ramosis fusco-cinnamomeis cum sporidiis insperais concoloribus globosis microscopicis, hyphasma pannosum effusum tenerrimum laxe intertextum constituentibus.

Ad corticem internum putrem Aceris campestris. (*W.*)

1859. *Sp. fusco-album Lk.*, hyphis implexis ramosis validis hyalinis in hyphasma lanosum crassiusculum effusum laxe intertextis, sporidiis subglobosis magnis creberrimis fuscis intus grumulosis. — *Sporotrichum fusco-album Link spec. I.* 11. *Pers. myc. I.* 17. *Sp. oosporum Ehrenb. sylv.* 10. *Schltdl. berol. II.* 143.

Ad cortices arborum putres Silesiae (*Link*), agri berolin. (*Ehrenberg*), Thuring. (*Wallr.*)

1860. *Sp. tortuosum W.*, hyphis intricatis pellu-

...ure-septatis flexuoso-tortuosis hyphasma tener-
...basi stipata floccosum dilute-cinnamomeum con-
...us, sporidiis subglobosis lateralibus.
...na fagiens caesa Thuring. (*Wallr.*)

Sp. fuscum Lk., hyphis fuscescentibus in
crassiusculum jugiter intertextis, sporidiis sub-
...minutis creberrime interspersis cuneoloribus. —
...um *fuscum Link sp. I. 23. Macrotrichum fer-*
Grev. edinb. III. 64. Sporotrichum fuscum,
et badium Link obs. I. 10. Corticium fuscum
I. 28. Thelephora vinosa Pers. syn. 578.
...ticus arborum udos passim.

chlorospora, sporidiis ex olivaceo virentibus.

Sp. flavo-virens Lk., hyphis tenerrimis
...spersis sporidia glomerata globosa copiosissima
...ia continentibus. — *Sporotrichum flavo-virens*
I. 17.
...ucus putres Lusatiae. (*Albertini.*)

?*Sp. bombacinum Lk.*, hyphis tenerrimis
...is in telam intricatam constipatis effusis, spo-
...ssis minutis e livido viridulis. — *Sporotrichum*
...m *Link sp. I. I. Athelia bombacina Pers. myc. I. 65.*
...is dejecta, quae dense obtegit.

Sp. chlorinum Lk., hyphis tenerrimis den-
...phasma mollissimum crassiusculum effusum laxe
..., sporidiis globosis glomeratis uberrimis flavo-
— *Sporotrichum chlorinum Link obs. II. 35.,*
7. Pers. myc. I. 79.
...is dejecta Silesiae (*Link.*)

?*Sp. virescens Lk.*, hyphis parcis cum spo-
...ssis obscure-viridibus in hyphasma subcrusta-
...stipatis. — *Sporotrichum virescens Link obs.*
...el. syn. spec. I. 16. Mart. erl. 336. Cladospo-
...scens Pers. myc. I. 14. Dematium virescens
... 698. Alb. et Schw. nisk. 368.

Ad ligna exsiccata quaecumque caulesque herbarum elatiorum siccos ubertim. (Habitus a reliquis desciscit; hinc dubia sp., quamvis pervulgata satis.)

†††††† *spodiospora, sporidiis gryseis.*

1866. *Sp. gryseum Lk.*, hyphis tenerrimis implexis effusis cum sporidiis globosis creberrime interspersis hyphasma tenuatum gryseum constituentibus. — *Sporotrichum griseum Link obs. I.* 11., *sp. I.* 8. *Mart. crl.* 336. *Pers. myc. I.* 76.

Ad caules herb. elatiorum siccos pone terram.

1867. *Sp. murinum Lk.*, epigaeum, hyphis tenerrimis protensis divaricato-ramosis implexis, sporidiis globosis minutis creberrimis demum superstitibus. — *Sporotrichum murinum Link spec. I.* 8. *Pers. myc. I.* 76.

Ad terram humidam umbrosam. (A Dematio geotricho meo caute distinguendum.)

††††††† *melanospora, spor. nigrescentibus.*

1868. *Sp. parietinum Lk.*, hyphis laxis vagis sporidia globosa nigrescentia centro recolligentibus. — *Sporotrichum parietinum Link obs. II.* 181., *spec. I.* 18.

Ad parietes calce nuper illinitos.

1869. *Sp. calcigenum Lk.*, hyphis arcte adpressis parcissime dispersis, sporidiis globosis minimis nigrescentibus cubilia inquinantibus superfusis. — *Sporotrichum calcigenum Link sp. I.* 18, *obs. II.* 35.

Ad parietes calce illinitos udos.

1870. *Sp. lyococcon Ehrenb.*, hyphis intertextis crassiusculis stuposis albentibus, sporidiis globosis subtruncatis conglobatis dispersis. — *Sporotrichum lyococcon Ehrenb. sylv.* 11, *Pers. myc. I.* 82. *Link spec. I.* 18.

Ad fructus pruniferarum putres (*Ehrenberg*). (Quod equidem pro hoc habui, a generis habitu haud mediocriter desciscit.)

1871. *Sp. Collae Lk.*, hyphis implicitis stuposis

longe lateque vagantibus sporidiaque globosa minima nigra conglobata hinc inde dispersa sustinentibus. — *Sporotrichum collae Link spec. I.* 19. *Collarium nigrispermum Nees syst. f.* 42. *Mart. crl.* 339.

Collum siccatum superinducere solet.

225. FUSISPORIUM LK. *Spindelschimmel.*

Hyphae ramosae intricatae septatae varie digestae, nonnisi circinato-tortuosae (*Circinotrichum Nees*) s. fugaces. Sporidia simplicia, e figura fusiformi subcylindrica, non septata libere inspersa, recta s. curvata. (*Menispora Pers. Chaetosporium Ehrenb. Macrosporium Fr. Circinotrichum Nees. Leptotherium Lk. obs. I.* 19. — Cum Fusidio Asporomycetum analogon genus.

† *orthospora, sporidiis rectis.* (*Fusisporium Lk.*)

1872. *F. roseum Lk.*, hyphis tenerrimis implexis late expansis a centro inde sporidia subcylindrica tenerrima utrinque acuta rosea creberrima sublevantibus. — *Fusisporium roseum Link sp. I.* 30.

Ad culmos graminum herb. elatiorum siccos.

1873. *F. aurantiacum Lk.*, hyphis tenerrimis laxe vagiterque intertextis, sporidiis tenuibus subcylindricis utrinque acutis aurantiacis inter se conglobatis. — *Fusisporium aurantiacum Link obs. I.* 17. *Nees syst. f.* 40. *B. Mart. crl.* 338. *Camtosporium aureum Spr. syst. IV.* 533.

Ad caules herbarum corticesque peponum passim.

1874. *F. longum W.*, hyphis intricatis adpressis dense contextis, sporidiis cylindricis longissimis roseis. — *Sporotrichum cylindrosporum Link sp. I.* 14. *Alytosporium roseum Ehrenb. sylv. II.* 24.

Ad ramulos emortuos agri berol. (*Ehrenb.*)

1875. *F. candidum Lk.*, hyphis albis lanosis dense congestis, sporidiis concoloribus sparsis utrinque obtusatis. — *Fusisporium candidum Link spec. I.* 31.

Ad aramenta allasque quisquilias passim.

1876. *F. circinatum W.*, hyphis tenerrimis e nigro-olivaceis circinato-tortuosis implexis, sporidiis fusiformibus hyalinis interspersis. — *Circinotrichum maculiforme Nees syst.* 18. *f.* 66. *Mart. erl.* 349. *Pers. myc. I.* 19. *Link sp. I.* 35. *Gyrotrichum maculiforme Spr. syst. IV.* 554.

Ad folia dejecta quercina passim.

†† *menispora, sporidiis curvatis. (Menispora Pers.)*

1877. *F. glaucum W.*, hyphis laxe intertextis effusis primum glaucis dein nigrescentibus, sporidiis tenuissimis arcuatis utrinque acuminatis. — *Menispora glauca Pers. myc. I.* 32. *Link sp. I.* 31. *Camtosporium glaucum Ehrenb. sylv. II.*

Ad corticem putrem internum agri berolin. *(Ehrenberg)*, heringens. *(Wallr.)*

** *sporidiis septatis.*

226. TRICHOTHECIUM LK. *Zwillingschimmel.*

Sporidia oblonga septata s. obsolete didyma utrinque aequalia s. hinc tenuiter attennata, in basin velati producta (*Epochnium Lk.*), libere inspersa. Hyphae ramosae intricatae septatae.

(Trichothecium et Epochnium Lk. Fusisporii sp. Dub.) — Genus cum Asporomycetum Puccinia cumque Mycogone analogon.

* *sporidiis utrinque aequalibus.*

1878. *Tr. roseum Lk.*, hyphis intricatis in hyphasma circumscriptum pulvinatum album congestis, demum sporidiis oblongis disseptis roseis pluribus obsessis. — *Trichothecium roseum Link sp. I.* 28., *excl. sym. Persoon obs. I.* 16. *f.* 17. *Nees syst. f.* 41. *Mart. erl.* 338. — *Hoffm. germ. III. t.* 10. *f.* 1. *pr. pr. (ob septula in duas partes divisa).*

Ad caules herbarum siccos, ligna quaecunque, praesertim Fagorum corticem udum, in quo articuli rotundi

sporidia oblonga majuscula praestant, nec non ad terram udam ipsaque animalium excrementa.

1879. *Tr. candidum W.*, hyphis tenerrimis remote septatis primum in acervulos subrotundos exiguos laxosos congestis dein confluentibus, hyphasma effusum contiguum laxum candidum mentientibus, sporidiis ovato-oblongis utrinque aequaliter obtusatis concoloribus mediotenus septatis hyalinis creberrime interspersis.

Ad pampinos putres inter hortorum rejectamenta, auctumno, rarius. (Color immutabilis candidus, nec roseam immiscens.)

** *sporidiis hinc appendiculatis.* (*Epochnium Lk.*)

1880. *Tr. moniliforme W.*, hyphis tenerrimis laxis albis effusis, sporidiorum oblongorum nigrescentium obsolete septatorum hinc parce appendiculatorum congerie superfusis. — *Epochnium monilioides Link sp. I. 32., obs. I. f. 28. Nees syst. f. 40. Mart. crl. 338. Fusisporium monilioides Dub. gall. II. 925. Monilia fructigena Schum. saell. II. 339.*

Ad poma matura succosa putria passim. (Septa in viris conspicua, exsiccando obliterantur magis.)

1881. *Tr. virescens W.*, hyphis albis laxius intertextis effusis, sporidiis oblonga septa viridia inspersa foventibus. — *Epochnium virescens Mart. crl. 338. Link sp. I. 33.*

Ad Pruni Armeniacae fructus putres. (*Martius.*)

227. SCOLECOTRICHUM KZ. *Schneckenschimmel.*

Sporidia didyma libere inspersa. Hyphae simplices vermiculatae pellucidae.

1882. *Sc. virescens Kz.*, hyphis simplicibus prostratis brevibus reliti vermiformibus cum sporidiis didymis inspersis cinereo-virentibus. — *Scolicotrichum virescens Kunz. et Schm. myk. Hft. I. 10. t. 1. f. 5. Schltdl. berol. II. 154. Spr. syst. IV. 554.*

Ad ramos Pruni Cerasi putres, (*Kunze.*) (Quam auctoris fide sigillatim laudavi, a me nondum visam, praecedenti mallem tamen subscribere.)

†† *hyphis asynthetis simplicibus s. ramosis assurgentibus hyphasma erectum fasciculatum praestantibus.*

* *sporidiis simplicibus.*

228. ACTINOCLADIUM EHRENB. *Sternschimmel.*

Hyphae e basi simplici in apicem umbellato-ramosum assurgentes dissitae s. segregatae. Sporidia simplicia globosa vage inspersa.

1883. *A. rhodosporum Ehrenb.*, hyphis segregatis parce dispersis nigrescentibus in apicem trifidum desinentibus, sporidiis globosis dilute violaceo-roseis. *Actinocladium rhodosporum Ehrenb. in Links Jahrb. II. 51. t. 5. f. 3. Pers. myc. I. 32. Link spec. I. 51.*

Ad truncos aridos Carpinorum agri berolin. (*Ehrenb.*)

229. ACLADIUM LK. *Stammschimmel.*

Hyphae simplicissimae erectae a basi inde septis articulos quasi interstinguentibus interceptae rigidulae dein compressae erectae distinctae plerumque tamen in fasciculos parvos congestae. Sporidia simplicia hyalina mole varia, a basi inde ad verticem libere inspersa, nonnisi primum subterminalia corymbum discolorem album constituentia.

(*Acladium, Haplotrichum, Haplaria Lk.*) Cum Plegmatio Asporomycetum analogon, hyphae articulis nonnisi alternatim compressae indole distinctum.

° *sporidiis undique dispersis.*

1884. *A. conspersum Lk.*, hyphis erectis brevibus luteo-albentibus in caespitulos exiguos dein confluentes congestis, sporidiis ovalibus hyalinis hinc inde inspersis dein nufugis. — *Acladium conspersum Link*

bs. I. 9. f. 13., spec. I. 37. Nees syst. f. 50. Mart. rl. 341.

Ad truncos putridos Thuring. passim.

1885. *A. microsporum Lk.*, hyphis erectis albis enerrimis ocius jam caducis in caespitulos effusos con-estis, sporidiis globosis minutis ubique dispersis. — *Acladium microspermum Link. l. l.*

In iisdem cum praeced. locis.

1886. *A. polysporum W.*, hyphis primum assur-entibus fuscis remote-septatis tenacellis protensis, a me-ia inde parte ad verticem sporidiis ovalibus obtusis sim-licibus creberrimis conglobatis obsessis, dein subsiden-ibus implexis hyphasma intertextum fusco-hepaticum pacum longe luteque effusum constituentibus.

Ad Cucurbitam putridam Thuring. (*Wallr.*)

1887. *A. heterosporum W.*, hyphis assurgenti-us remote-septatis tortuoso-nodosis, a media inde parte d verticem sporidiis variis, aliis ovalibus, aliis oblongis ylindricisque obtusis hyalinis creberrimis, nonnisi ob-olete septatis obsessis, hyphasma circumscriptum ro-undatum maculiforme sparsum glauco-virescens consti-uentibus.

Ad folia Juglandis putrescentia, auctumno in agro orthusan. (Habitus externus Fusarii circinati s. Circi-otrichi, at hyphae breviores, nec in apicem tenerrimum ircinatim tortum protensae et sporidia haud fusiformia. Aliud habitu et colore plane non distinguendum inter-persum video sub vitris, *Helmisporium penicillatum* in-erim dictum, rhabdis erectis nodosis flexuosis, in cae-pites penicilliformes conjunctis olivaceis pellucidis, ap-endicibus sporomorphis majusculis 1-4 locularibus ob-usis insigne suoque loco inserendum.)

20 sporidiis subfastigiatis. (Haplotrichum Lk.)

1888. *A. capitatum Lk.*, hyphis albis tenerrimis rectis parce rariterque fasciculatis dein fugacibus, spo-

bellata ovalia exigua pellucida spargentibus.

Ad folia (Vitis v. c., Liliorum) contabescenti strues congesta, auctumno.

1890. *A. penicillatum W.*, hyphis curtis tis pallide-fuscis, e basi congesta penicillatim as tibus dein decumbentibus, sporidiis exiguis p globosis primum fastigiato-radiantibus dein errat

Ad caules herb. elatiorum siccos (Hemerocalli

1891. *A. confervinum W.*, hyphis simpli erectis stipatis (tamen caducis) capillaribus parce teque septatis ibique exsiccando alternatim co compressis olivaceis, sporidiis ovalibus minutissi mum in capitulum ovatum congestis dein undi raticis.

Ad Populi tremulae ligna decorticata Thuring phae sporidiis destitutae. Plegmatium omnino r articulis alternatim contractis idem a. Confervas aemulantur.)

1892. *A. gryseum W.*, hyphis tenerrimis s parce ramosis erectis segregatis gryseis remote s sporidiis subglobosis minutissimis primum circa

CHLORIDIUM LK. *Grünflocke.*

...simplices erectae continuae (non septatae) ...tae. Sporidia globosa simplicia creberrima

... *viride Lk.*, hyphis tenerrimis erectis ... primum laete viridibus dein flaventibus, ...ssimis globosis concoloribus conglobatis, ...ersis dein aufugis. — *Chloridium viride* ... *Chl. dispersum Nees syst. 66. f. 64.* ... *Dematium asserculorum Pers. myc. I. 15.* ...trescentia agri rostoch. (*Ditmar*), Franco-...rlungens. (*Martius.*)

... *gryseum Ehrenb.*, hyphis tenerrimis ...iis nigro-fuscis effusis, sporidiis cylindri-...is albo-gryseis. — *Chloridium griseum* ...17. 23. *Link sp. I. 38. Dematium griseum* ... *Chaetopsis Wauchii Grev. edinb. III. 63. t. 1.* ... Alni glutinosae agri berolin. (*Ehrenberg*). ... (quod Sporomycetum Conopleum fere tan-...te distinguo, vix nisi hyphae indole con-...)

...NCOCLADIUM W. *Quirlschimmel.*

...idulae septatae fuscescentes, ramis quater-...ifexis verticillatis brevissimis interceptae, ... globosa minutissima simplicia interjecta ...sum amorpham laxe conglomeratae.

...*lacum W.*, hyphis simplicibus erectis ri-... ramos quaternos in verticillum congestos ...simos septum interjectum aequantes trun-...bus iisque regulariter interceptis, sporidiis ...ssimis simplicibus flavis ramulos occultan-...gis, hypham persistentem nudam relin-...

...anserinae putredine exesas in caveis pa-...richi lanati consortio. (Ex elegantissimis)

s. syntheticis figuratis.

@ *hyphis socialibus simplicibus s. asynthetis.*

† *sporidiis terminalibus,*

* *simplicibus.*

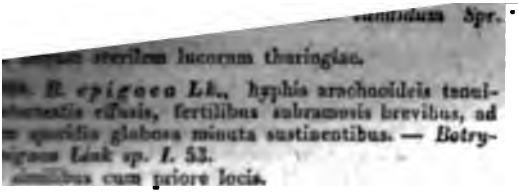
232. BOTRYTIS MICH. EM. *Traubenschim*

Hyphae simplices s. ramosae septatae sociatim gatae, steriles decumbentes, fertiles assurgentes apices plerumque sporidia globosa s. oblonga colligentes.

(*Botrytis Mich. ex emend. Lk. Spicularia Pa trichum et Polyactis Lk. obs. et spec.*)

† *leucosporae, sporidiis albis.*

1896. *B. ramulosa Lk.*, hyphis implexis noideis stuposis albis, fertilibus erectis ramulos l mos subfastigiatos mentientibus, sporidiis globo jusculis circa apicem conglomeratis. — *Botrytis losa Link obs. I.* 12. *Pers. myc. I.* 35. *Link* 53. *B. nivea Mart. erl.* 242. *pr. pr. et excl. sy B. parasitica Pers. obs. I.* 96. *t.* 5. *f.* 6. *Mucor tis Sowerb. fung. t.* 359.



... Spr.

... sterilem lucorum thuringiae.

... *B. epigaea Lk.*, hyphis arachnoideis tenui-... effusis, fertilibus subramosis brevibus, ad ... sporidia globosa minuta sustinentibus. — *Botry-... Link sp. I.* 53.

... cum priore locis.

... *B. elegans Lk.*, hyphis effusis tenuissimis ..., fertilibus longioribus erectioribus ramoso-co-... demum flavescentibus, sporidiis globosis. — ... *elegans Link obs. I.* 13., *spec. I.* 54.

... vaccinum agri rostoch. (*Link.*)

... *B. dendroides DC.*, hyphis effusis caespito-... divaricato-ramosis, fertilibus erectis ramo-... sporidiis subovalibus maximis. — *Botrytis den-... DC. gall. II.* 70. *Pers. myc. I.* 34. *Dub. gall.* ... *B. agaricina Link obs. I.* 13. *spec. I.* 53. *Ditm.* ... *germ. IV. t.* 51. *Sporotrichum Agaricorum* ... *10.* 22. (*teste Linkio.*) *Mucor dendroides* ... *t.* 504. *f.* 9.

... mycetes putres passim.

... *Ditm.* ...

noideis effusis albis, fertilibus abbreviatis vage
facile caducis, cum sporidiis globosis minutis ca
parvos exiguos dein confluentes praestantibus. —
tis flavicans Link obs. II. 36., spec. I. 58. B.
Mart. crl. 343.

Ad ramos dejectos passim.

1905. *B. fulva Lk.*, hyphis dense contextis
tum crassiusculum effusum subfulvum constipatis
persistentibus, fertilibus ramosissimis, sporidiis
Botrytis fulva Link spec. I. 58. Dematium olla
syn. 697.

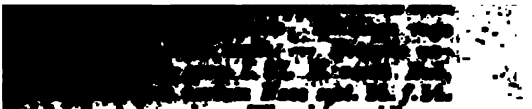
Ad terram udam ollarum in vaporariis freque

1906. *B. allochroa Lk.*, hyphis laxe in
tenerrimis primum albis dein flaventibus, fertilib
ramosis corymbiferis, sporidiis globosis majusc
Botrytis allochroa Link obs. I. 12. Nees syst. 5

Ad caules herbarum siccos passim.

††† *erythrosporae, sporidiis e rosa*
magis minusve rubentibus.

1907. *B. rosea Lk.*, hyphis arachnoideis in c
parvos roseos laxe contextis, fertilibus ramosi
multipartitis, sporidiis globosis minutis concolori



[illegible] *f.* [illegible]
[illegible] frustula rarius. (Vix nisi sporidiorum
[illegible] minorum mole diversa.)

[illegible] *aurantiaca Lk.*, hyphis arachnoideis pri-
[illegible] belle aurantiacis late expansis, fertilibus
[illegible], sporidiis globosis concoloribus. — *Botry-*
[illegible] *Link obs. I.* 12. *f*, 18., *spec. I.* 59. *Tri-*
[illegible] *Pers. syn.* 232.

[illegible] herbarum elatiorum, Umbelliferarum prae-
[illegible] interanea saepius penetrat; ad pampinos
[illegible] aliasque quisquilias udas passim.

[illegible] *sporidiis fuscescentibus.*

[illegible] *velutina W.*, hyphis arachnoideis pelluci-
[illegible] approximato-septatis alternatimque contractis
[illegible], hyphasma tenerrimum velutinum pal-
[illegible] constituentibus, sporidiis subterminalibus mi-
[illegible] subglobosis plurimis concoloribus.

ridiis simplicibus circa apicem collectis subfastigiatis dein erraticis. — *Haplotrichum capitatum Link spec. I.* 52. *Botrytis capitata Dub. II.* 919. *Acladium capitatum Link obs. I.* 10. *f.* 13. *Nees syst. f.* 51. *Mart. crl.* 341.

Ad truncos ramulosque arborum vulgare.

1889. *A. epiphyllum W.*, hyphis erectis productis tenerrimis fusco-ferrugineis effusis parce fasciculatis dein effusis persistentibus, e vertice sporidia primum umbellata ovalia exigua pellucida spargentibus.

Ad folia (Vitis v. c., Liliorum) contabescentia et ad strues congesta, auctumno.

1890. *A. penicillatum W.*, hyphis curtis distinctis pallide-fuscis, e basi congesta penicillatim assurgentibus dein decumbentibus, sporidiis exiguis pellucidis globosis primum fastigiato-radiantibus dein erraticis.

Ad caules herb. elatiorum siccos (Hemerocallis v. c.).

1891. *A. confervinum W.*, hyphis simplicissimis erectis stipatis (tamen eaducis) capillaribus parce-remoteque septatis ibique exsiccando alternatim contractis compressis olivaceis, sporidiis ovalibus minutissimis, primum in capitulum ovatum congestis dein undique erraticis.

Ad Populi tremulae ligna decorticata Thuring. (Hyphae sporidiis destitutae Plegmatium omnino referunt, articulis alternatim contractis idem s. Confervas penitus aemulantur.)

1892. *A. gryseum W.*, hyphis tenerrimis rigidulis parce ramosis erectis segregatis gryseis remote septatis, sporidiis subglobosis minutissimis, primum circa s. infra apicem conglobatis, dein dispersis undique diffusis. — *Haplaria grisea Link obs. I.* 9. *f.* 12., *spec. I.* 52. *Nees syst. f.* 49. *Mart. crl.* 340. *Pers. myc. I.* 28.

Ad folia sicca graminum, potissimum palustrium, v. c. Arundinis, Calami et Sparganii vulgaris.

230. CHLORIDIUM LK. *Grünflocke.*

Hyphae subsimplices erectae continuae (non septatae) spacae aggregatae. Sporidia globosa simplicia creberrima age inspersa.

1893. ***Chl. viride Lk.***, hyphis tenerrimis erectis axe aggregatis primum laete viridibus dein flaventibus, poridiis copiosissimis globosis concoloribus conglobatis, inc inde inspersis dein aufugis. — *Chloridium viride Link obs. I.* 11. *Chl. dispersum Nees syst.* 66. *f.* 64. *Hart. crl.* 350. *Dematium asserculorum Pers. myc. I.* 15. Ad ligna putrescentia agri rostoch. (*Ditmar*), Francoiae (*Nees*), erlangens. (*Martius.*)

1894. ***Chl. gryseum Ehrenb.***, hyphis tenerrimis nbulatis rigidulis nigro-fuscis effusis, sporidiis cylindriis copiosissimis albo-gryseis. — *Chloridium griseum Ehrenb. sylv.* 17. 23. *Link sp. I.* 38. *Dematium griseum ers. myc. I.* 15. *Chaetopsis Wauchii Grev. edinb. III.* 63. *t.* 1. Ad truncos Alni glutinosae agri berolin. (*Ehrenberg*). nvitus genus, (quod Sporomycetum Conopleam fere tanit) a praecedente distinguo, vix nisi hyphae indole conuua diversum.)

231. ONCOCLADIUM W. *Quirlschimmel.*

Hyphae rigidulae septatae fuscescentes, ramis quaterıis oppositis deflexis verticillatis brevissimis interceptae, sque sporidia globosa minutissima simplicia interjecta ventes, in massam amorpham laxe conglomeratae.

1895. ***O. flavum W.***, hyphis simplicibus erectis rigidulis hyalinis ramos quaternos in verticillum congestos eflexos brevissimos septum interjectum aequantes truntos exserentibus iisque regulariter interceptis, sporidiis obosis minutissimis simplicibus flavis ramulos occultanbus dein aufugis, hypham persistentem nudam relinentibus.

Ad pennas anserinas putredine exesas in caveis pauis in Sporotrichi lanati consortio. (Ex elegantissimis

hyphis exacte verticillatis, ramis quaternis, in modum Abietum emortuarum, recurvis interceptis perquam singularis, sub microscopio abietem ad ramos truncatam, — si parva licet componere magnis —, plane referens.)

B. synspori, sporidiis appensis, sive caducis sive diutius persistentibus, simplicibus septatisve iisque nunc fastigiatis nunc lateralibus ramulos terminantibus, hyphis variis sive simplicibus s. asynthetis, sive compositis s. synthecticis figuratis.

⊛ *hyphis socialibus simplicibus s. asynthetis.*

† *sporidiis terminalibus,*

* *simplicibus.*

232. BOTRYTIS MICH. EM. *Traubenschimmel.*

Hyphae simplices s. ramosae septatae sociatim aggregatae, steriles decumbentes, fertiles assurgentes, circa apices plerumque sporidia globosa s. oblonga simplicia colligentes.

(*Botrytis Mich. ex emend. Lk. Spicularia Pers. Geotrichum et Polyactis Lk. obs. et spec.*)

† *leucosporae, sporidiis albis.*

1896. *B. ramulosa Lk.*, hyphis implexis arachnoideis stuposis albis, fertilibus erectis ramulos brevissimos subfastigiatos mentientibus, sporidiis globosis majusculis circa apicem conglomeratis. — *Botrytis ramulosa Link obs. I.* 12. *Pers. myc. I.* 35. *Link spec. I.* 53. *B. nivea Mart. erl.* 242. *pr. pr. et excl. syn. Pers. B. parasitica Pers. obs. I.* 96. *t.* 5. *f.* 6. *Mucor botrytis Sowerb. fung. t.* 359.

Ad caules siccos vivosque, Thlaspi praeprimis Bursae pastoris, Thuring. vulgaris, caute tamen ab Erysibe candida distinguenda.

1897. *B. geotricha Lk.*, hyphis arachnoideis implexis longe lateque expansis albis, fertilibus assurgentibus brevibus subramosis, sporidia oblonga utrinque trun-

a concolora hyalina circa apicem colligentibus, demum ofusis. — *Botrytis geotricha Link sp. I.* 53. *Geotrium candidum Link obs. I.* 53. *Geotrichum candidum nk obs. I.* 15. *f.* 26. *Pers. myc. I.* 26. *Sporotrichum um Mart. crl.* 335. *Acrosporium candidum Spr. t. IV.* 556.
Ad terram sterilem lucorum thuringiae.

1898. *B. epigaea Lk.*, hyphis arachnoideis tenuiintertextis effusis, fertilibus subramosis brevibus, ad icem sporidia globosa minuta sustinentibus. — *Botrys epigaea Link sp. I.* 53.
In similibus cum priore locis.

1899. *B. elegans Lk.*, hyphis effusis tenuissimis acibus, fertilibus longioribus erectioribus ramoso-coosis demum flavescentibus, sporidiis globosis. — *trytis elegans Link obs. I.* 13., *spec. I.* 54.
Ad stercus vaccinum agri rostoch. (*Link.*)

1900. *B. dendroides DC.*, hyphis effusis caespitotenerrimis divaricato-ramosis, fertilibus erectis ramoimis, sporidiis subovalibus maximis. — *Botrytis dendides DC. gall. II.* 70. *Pers. myc. I.* 34. *Dub. gall.* 919. *B. agaricina Link obs. I.* 13. *spec. I.* 53. *Ditm. Sturm germ. IV. t.* 51. *Sporotrichum Agaricorum renb. sylv.* 10. 22. (*teste Linkio.*) *Mucor dendroides ll. herb. t.* 504. *f.* 9.
Ad Hymenomycetes putres passim.

1901. *B. densa Ditm.*, hyphis tenerrimis in caespisubrotundos albissimos dense contextis, fertilibus ctis ramosissimis subvirgatis, sporidiis oviformibus conoribus majusculis. — *Botrytis densa Ditmar in Sturm rm. t.* 52. *Link spec. I.* 54.
Ad muscos putres agri rostoch. (*Ditmar.*)

1902. *B. leucospora Lk.*, hyphis arachnoideis ctiusculis apice multifidis grysèis, sporidiis discolorialbis globosis. — *Botrytis leucospora Link spec. I.* 61.
Ad pyra putria passim.

1903. *B. epiphylla Pers.*, hyphis varie intertextis albis arachnoideis, fertilibus abbreviatis, sporidiis subglobosis concoloribus parcis. — *Pers. myc. I.* 36. *Link l. l.*

Ad folia vegeta herbarum praeprimis Chenopodiorum et Atriplicum.

†† *ochrosporae, sporidiis flavicantibus.*

1904. *B. flavicans Lk.*, hyphis tenerrimis arachnoideis effusis albis, fertilibus abbreviatis vage ramosis facile caducis, cum sporidiis globosis minutis caespitulos parvos exiguos dein confluentes praestantibus. — *Botrytis flavicans Link obs. II.* 36., *spec. I.* 58. *B. flavida Mart. crl.* 343.

Ad ramos dejectos passim.

1905. *B. fulva Lk.*, hyphis dense contextis in stratum crassiusculum effusum subfulvum constipatis diutius persistentibus, fertilibus ramosissimis, sporidiis globosis. *Botrytis fulva Link spec. I.* 58. *Dematium ollare Pers. syn.* 697.

Ad terram udam ollarum in vaporariis frequens.

1906. *B. allochroa Lk.*, hyphis laxe intertextis tenerrimis primum albis dein flaventibus, fertilibus apice ramosis corymbiferis, sporidiis globosis majusculis. — *Botrytis allochroa Link obs. I.* 12. *Nees syst.* 55. *f.* 53.

Ad caules herbarum siccos passim.

††† *erythrosporae, sporidiis e rosa minioque magis minusve rubentibus.*

1907. *B. rosea Lk.*, hyphis arachnoideis in caespites parvos roseos laxe contextis, fertilibus ramosis apice multipartitis, sporidiis globosis minutis concoloribus. — *Botrytis rosea Link obs. II.* 36., *spec. I.* 57. *B. Linkii Dub. gall. II.* 919.

Ad ramos dejectos agri rostoch. *(Link.)*

1908. *B. macrospora Lk.*, hyphis arachnoideis laxe intertextis primum albis dein rosam debilem sub-

ntibus, fertilibus apice ramosis subverticillatis, spori-
s subcylindricis oblongis magnis. — *Botrytis macro-
ora Link obs. I. 13., spec. I. 57. Ditmar in Sturm
rm. t. 50.*

Ad folia dejecta Quercus Roboris agri rostoch. *(Ditm.)*

1909. *B. varia Dub.*, hyphis arachnoideis laxe con-
ctis, primum albis, dein pallide roseis, fertilibus vage
nosis, sporidiis oblongis mole variis. — *Botrytis va-
sperma Link obs. II. 36., spec. I. 57. B. varia Dub.
ll. II. 919. Cladobotryum varium Nees syst. 55. f. 54.*

Ad ligni caesi frustula rarius. (Vix nisi sporidiorum
jorum et minorum mole diversa.)

1910. *B. aurantiaca Lk.*, hyphis arachnoideis pri-
um albis dein belle aurantiacis late expansis, fertilibus
nosissimis, sporidiis globosis concoloribus. — *Botry-
aurantiaca Link obs. I. 12. f. 18., spec. I. 59. Tri-
oderma aureum Pers. syn. 232.*

Ad caules herbarum elatiorum, Umbelliferarum prae-
imis, quorum interanea saepius penetrat; ad pampinos
trescentes aliasque quisquilias udas passim.

†††† *phaeosporae, sporidiis fuscescentibus.*

1911. *B. velutina W.*, hyphis arachnoideis pelluci-
erectis approximato-septatis alternatimque contractis
ciculato-ramosis, hyphasma tenerrimum velutinum pal-
le-fuscum constituentibus, sporidiis subterminalibus mi-
oscopicis ovato-subglobosis plurimis concoloribus.

Ad corticem Aceris campestris putrem Thuring. (Sub
ite composita hyphae praeter molem Plegmatium plane
ferunt.)

1912. *B. hepatica W.*, hyphis intricatis pellucidis
ge-ramosis depressis, fertilibus erectis ramos confor-
s oppositos spargentes illosque apicem versus in ver-
illum congestos sporidiis globosis tectos spargentibus,
phasma effusum laxum constituentibus.

Ad lignum coryleum putridum Thuring.

†††† *chlorosporae, sporidiis viridulis.*

1913. *B. olivacea W.*, hyphis intricatis effusis, fertilibus brevibus parce ramosis sporidiisque globosis concoloribus olivaceis. — *Botrytis olivacea Link sp. I.* 55.

Ad truncos putres agri rostoch. (*Link.*)

1914. *B. pulvinata Lk.*, hyphis erectiusculis in hyphasma effusum crassiusculum nigro-olivaceum densa constipatis, sporidiis globosis ramos breves occupantibus. — *Botrytis pulvinata Lk. spec. I. I.*

Ad fungos putres vesparumque cellas.

1915. *B. polyspora Lk.*, hyphis lanosis late expansis, fertilibus ramosissimis productioribus, sporidiis globosis creberrimis concoloribus hyphasma sordide olivaceum constituentibus. — *Botrytis polyspora Link obs. I.* 12., *spec. I.* 56. *Ditmar l. l. t.* 35. *Mart. crl.* 342.

Ad ramos putres Thuring. et Hercyn. passim.

1916. *B. cinereo-virens Kz.*, hyphis arachnoideis in stratum effusum tenerum mediotenus cinereum ambitu viridulum digestis, sporidiis globosis magnis creberrimis. — *Botrytis cinereo-virens Kunze et Schm. myk. Hft. I.* 82. *Link spec. I.* 82. *Link spec. I.* 56.

Ad ligna putrida Thuring. minime rara.

†††††† *spodosporae, sporidiis e cinereo-gryseis.*

1917. *B. cana Kz.*, hyphis arachnoideis in caespites canos subrotundos junctis, sporidiis ovalibus magnis parcius superfusis. — *Botrytis cana Kunze et Schm. l. l. I.* 83. *Link spec. I.* 59.

Ad folia marcida nda agri lips. (*Kunze.*)

1918. *B. Polyactis Lk.*, hyphis teneris gryseis, fertilibus vage ramosis apice divisis, hyphasma crassiusculum late expansum constituentibus, sporidiis globosis glaucis. — *Botrytis Polyactis Link spec. I.* 59. *excl. syn. DC. Polyactis vulgaris Link obs. I. f.* 22. *Nees syst.* 58. *f.* 57. *Mart. Erk* 344. *Penicillium racemosum Pers. myc. I.* 41. *Monilia vulgaris Pers. l. l.*

Ad caules herbarum putres vulgaris.

1919. *B. racemosa DC.*, hyphis teneris effusis cinereis fertilibus ramosissimis assurgentibus, sporidiis ovato-oblongis albis dein cinerascentibus secus ramulos spinatos racemosos dispositis. — *Botrytis racemosa DC. Fall. II.* 70. *excl. syn. Pers. Dub. gall. II.* 920. *Spicularia racemosa Pers. myc. I.* 40. *Mucor racemosus Bull. herb. t.* 504. *f.* 7.

Ad olera putrescentia abundat.

1920. *B. turbinata Lk.*, hyphis teneris erectis in fasin congestis caesiis, sporidiis globosis concoloribus. — *Botrytis turbinata Link spec. I.* 60. *Polyactis turbinata Kunze et Schm. l. l. I.* 83. *Monilia turbinata Pers. myc. I.* 31.

Ad lignum Pini putridum agri lips. (*Kunze.*)

1921. *B. cinerea Pers.*, hyphis crassiusculis articulato-constrictis ramosis aequalibus erectis fuligineo-cinereis, sporidiis globosis concoloribus. — *Botrytis cinerea Pers. syn.* 690., *myc. I.* 32. *Alb. et Schw. nisk.* 363. *Link spec. I.* 60.

Ad quisquilias putres ipsosque fungos passim.

1922. *B. murina Ditm.*, hyphis rigidis remote-acuteque ramosis opacis demum fusco-nigricantibus, sporidiis hyalinis microscopicis circa ramulorum axillas conglomeratis, hyphasma crassiusculum effusum molle primum gryseo-murinum, dein illis caducis fuscum constituentibus. — *Botrytis murina Ditmar in Sturm germ. 3. t. 36. Link spec. I.* 61.

Ad ramos dejectos locis obscuris udis passim.

1923. *B. bicolor Lk.*, hyphis tenerrimis effusis o gryseo rubentibus, fertilibus vage ramosis apice divisis, sporidiis subglobosis albis. — *Botrytis bicolor Lk. spec. I.* 61.

Ad caules herbarum elatiorum agri berol. (*Link.*)

1924. *B. ramosa Pers.*, hyphis erectis effusis apice quadrifidis gryseis, sporidiis globosis glaucis. — *Bo-*

††††† *chlorosporae, sporidiis viridulis.*

1913. *B. olivacea W.*, hyphis intricatis effusis, fertilibus brevibus parce ramosis sporidiisque globosis concoloribus olivaceis. — *Botrytis olivacea Link sp. I.* 55.
Ad truncos putres agri rostoch. *(Link.)*

1914. *B. pulvinata Lk.*, hyphis erectiusculis in hyphasma effusum crassiusculum nigro-olivaceum dense constipatis, sporidiis globosis ramos breves occupantibus. — *Botrytis pulvinata Lk. spec. I. I.*
Ad fungos putres vesparumque cellas.

1915. *B. polyspora Lk.*, hyphis lanosis-late expansis, fertilibus ramosissimis productioribus, sporidiis globosis creberrimis concoloribus hyphasma sordide olivaceum constituentibus. — *Botrytis polyspora Link obs. I.* 12., *spec. I.* 56. *Ditmar l. l. t.* 35. *Mart. crl.* 342.
Ad ramos putres Thuring. et Hercyn. passim.

1916. *B. cinereo-virens Kz.*, hyphis arachnoideis in stratum effusum tenerum mediotenus cinereum ambitu viridulum digestis, sporidiis globosis magnis creberrimis. — *Botrytis cinereo-virens Kunze et Schm. myk. Ilft. I.* 82. *Link spec. I.* 82. *Link spec. I.* 56.
Ad ligna putrida Thuring. minime rara.

†††††† *spodosporae, sporidiis e cinereo-gryseis.*

1917. *B. cana Kz.*, hyphis arachnoideis in caespites canos subrotundos junctis, sporidiis ovalibus magnis parcius superfusis. — *Botrytis cana Kunze et Schm. l. l. I.* 83. *Link spec. I.* 59.
Ad folia marcida nda agri lips. *(Kunze.)*

1918. *B. Polyactis Lk.*, hyphis teneris gryseis, fertilibus vage ramosis apice divisis, hyphasma crassiusculum late expansum constituentibus, sporidiis globosis glaucis. — *Botrytis Polyactis Link spec. I.* 59. *excl. syn. DC. Polyactis vulgaris Link obs. I. f.* 22. *Nees syst.* 58. *f.* 57. *Mart. crl.* 344. *Penicillium racemosum Pers. myc. I.* 41. *Monilia vulgaris Pers. l. l.*

1952. *D. nigrescens Lk.*, hyphis parce ramosis fuliginea-atris in hyphasma effusum crassiusculum congestis, sporidiis ovalibus didymis concoloribus. — *Diplosporium nigrescens Link sp. I. 64. Botrytis didyma Kunze et Schm. myk. Hft. I. 81. Pers. myc. I. 37.*

Ad lignum durum agri lips. (*Schmidt.*) (Cum Trichothecio analogon quidem idque pro Sporotricho, quod hoc pro Botrytide.)

●● *synthetici*, h[illegible] *ad synthesin contextis, nonnisi in figu*[illegible]*tis, hyphasma (trichophorum Nees*[illegible] *assurgens, nunc depressum concium*[illegible] *fastigiatis s. undique superfusis foetis*[illegible]

(*Hyphomycetes gymno*[illegible]*cetes Lk. Trichomycetes Mart. Uredineae tubercularieae* [illegible] *scoriadeae Dub. Cephalotrichaeae Fr.*)

† *hyphasmate assurgente figurato.*

243. COREMIUM LK. *Pinselschopf.*

Hyphae steriles obsoletae, fertiles erectae hyalinae septatae plurimae fasciculatim congestae, hyphasma veluti laxe constipatum constituentes. Sporidia simplicia terminalia penicillata. (Est Penicillium syntheticum.)

1953. *C. glaucum Lk.*, hyphis fertilibus arachnoideis erectis in fasciculos laxos congestis sordide lutescentibus, sporidiis terminalibus comoso-penicillatis dein glaucis. — *Coremium glaucum Link obs. I. 19. f. 13. Mart. erl. 365.*

Ad fructus conditos corruptos vulgare.

1954. *C. candidum Nees*, hyphis fertilibus arachnoideis erectis in fasciculum laxe congestis candidis, sporidiis terminalibus concoloribus. — *Coremium candidum Nees syst. 87. f. 86. Mart. erl. 365. Link spec. I. 71. Monilia candida Pers. syn. 692.*

In similibus cum praeced. locis, a quo vix nisi colore differt.

trytis ramosa Pers. syn. 960. *Alb. et Schw. nisk.* 363. *Spicularia ramosa Pers. myc. I.* 39. *Polyactis quadrifida Link sp. I.* 62. *Aspergillus quadrifidus Link obs. II.* 36. — *Mich. gen. t.* 91. *f.* 2.

Ad caules herbarum putrescentium.

1925. *B. umbellata DC.*, hyphis gracilibus erectis caespitosis, fertilibus apice umbellato-multifidis primum albis dein gryseo-nigrescentibus, sporidiis globosis secus ramulos adfixis. — *Botrytis umbellata DC. gall. II.* 71. *Polyactis umbellata Link spec. I.* 63. *Spicularia umbellata Pers. myc. l. l. Mucor umbellatus Bull. l l.*

Ad fructus edules saccharo conditos.

†††† *melanosporae, sporidiis nigris.*

1926. *B. nigra Lk.*, hyphis effusis erectis nigris, fertilibus in ramulos paucos virgatos productis, sporidiis minutis globosis concoloribus hinc inde conglomeratis. — *Botrytis nigra Link obs. I.* 12., *spec. I.* 62. *Virgaria nigra Nees syst.* 54. *f.* 52. *Mart. erl.* 342.

Ad truncos ramosque dejectos, agri rostoch. (*Ditmar*), Franconiae (*Nees. Martius.*)

233. ASPERGILLUS MICH. *Kolbenschimmel.*

Hyphae erectae subsimplices septatae, apice clavato sporidia simplicia globosa saepius seriata sustinentes. (*Aspergillus Mich. ex emend. Link. Monilia Pers. myc.*)

† *leucospori, sporidiis albis.*

1927. *A. candidus Lk.*, hyphis sparsis brevibus erectis simplicissimis persistentibus albis, sporidiis globosis concoloribus. — *Aspergillus candidus Link sp. I.* 65., *obs. I.* 14. *Monilia candida Pers. syn.* 692., *myc. I.* 30. — *Mich. gen. t.* 91. *f.* 2.

Ad plantas siccas fungosque locis udis conservatos minime rarus.

1928. *A. oosporus W.*, hyphis robustis densis erectiusculis, sporidiis ovalibus incumbentibus albis. —

Aspergillus ovalispermus Link obs. II. 37., *spec. I.* 66. *Mart. crl.* 345.

Ad poma putrida passim.

†† *ochrospori, sporidiis demum flaventibus.*

1929. *A. flavus Lk.*, hyphis arachnoideis albis erectis laxe caespitosis, circa apicem dein lutescentem sporidia globosa concolora colligentibus. — *Aspergillus flavus Link obs. I.* 14. *Nees syst. f.* 60. *Mart. crl.* 345. *Monilia flava Pers. myc. I.* 30.

Ad plantas siccatas herbariorum praeprimis locis udis repostorum.

1930. *A. conoideus Spr.*, hyphis erectis lutescentibus in apicem conicum elongatum hyalinum desinentibus. — *Spreng. syst. IV.* 541. *Byssus conoidea Müll. flor. dan. t.* 897. *f.* 2.

Ad semina Cannabeos ex aqua infusa.

1931. *A. laneus Lk.*, hyphis ramosis implexis exannsis sublanatis dein versus apicem globosum luteolis, ibique sporidiis lutescentibus suffusis. — *Aspergillus laneus Link spec. I.* 66.

Ad fungos putridos rarius.

††† *glaucospori, sporidiis glaucis.*

1932. *A. glaucus Lk.*, hyphis arachnoideis tenuissimis late expansis depressis, fertilibus erectis apice glauco tumido sporidiis globosis concoloribus obruto. — *Aspergillus glaucus Link obs. I.* 14., *spec. I.* 67. *Monilia glauca Pers. syn. myc. I.* 19. *Spicularia simplex Pers. myc. teste Spreng. Mucor Aspergillus Bull. M. glaucus Müll. fl. dan. t.* 777. *f.* 2. *Aspergillus capitatus Mich. genr. t.* 91. *f.* 1. *M. crustaceus L. sp.* 1656.

Ad corpora putria panemque mucidum vulgaris.

1933. *A. gryseus Lk.*, hyphis lanosis gryseis effusis, fertilibus emersis parce incrassatis ibique sporidia globosa minuta concolora colligentibus. — *Aspergillus griseus Link spec. I.* 69.

Ad corpora putrida German. (*Link.*)

†††† *rhodo- et chlorospori, sporidiis roseis et viridibus.*

1934. *A. roseus Lk.*, hyphis tenerrimis implexis, fertilibus simplicibus roseis aggregatis, sporidiis globosis concoloribus. — *Aspergillus roseus Link sp. I.* 68. *Monilia rosea Pers. syn.* 697. *Alb. et Schw. nisk.* 364. *Batsch elench. t.* 12. *f.* 58. *Acladium roseum Ehrenb. sylv.* 11. *Mucor glomerulosus Bull.*

Ad chartas, tapetes et lintea quaecunque locis udis recondita passim.

1935. *A. virens Lk.*, hyphis teneris densis lanosis, fertilibus assurgentibus ramosis apice inflatis ibique sporidia globosa seriata viridia sustinentibus. — *Aspergillus virens Link obs. I.* 14. *Monilia virens Pers. myc. I.* 31.

Ad corpora putrescentia rarius.

284. PENICILLIUM LK. *Pinselschimmel.*

Hyphae septatae liberae simplices s. ramosae, steriles decumbentes, fertiles erectae, apice penicillatim fissae ibique sporidia globosa simplicia exserentes.

1936. *P. candidum Lk.*, hyphis albis tenuiter caespitosis, fertilibus assurgentibus ramosis, sporidia concolora sustinentibus. — *Penicillium candidum Link obs. I.* 15., *spec. I.* 69.

Ad fungos aliasque quisquilias putres.

1937. *P. roseum Lk.*, hyphis teneris albis parce congestis, fertilibus erectis subramosis dein caducis, sporidiis globosis roseis persistentibus. — *Penicillium roseum Link obs. II.* 37., *spec. I.* 69.

Ad caules siccos v. c. Solani (*Nees.*)

1938. *P. glaucum Lk.*, hyphis in stratum densum album dein glaucum implexis depressis effusis, alias fertiles subramosas interspersas transmittentibus, sporidiis globosis albis dein glaucescentibus. — *Penicillium glau-*

cum Link obs. I. 15., *spec. I.* 70. *P. expansum Link obs. I.* 15. *Nees syt. f.* 59. *Mart. crl.* 344. *Monilia digitata Pers. syn.* 602. *Mucor penicillatus Bull. M. glaucus L. sp.* 1656.

Ad corpora putrescentia, maxime quae ex saccharo condita sunt, miram saepius luxuriem adficiens.

235. CAMPSOTRICHUM EHRENB. *Hakenschimmel.*

Hyphae intricatae continuae ramosae, ramis divaricatis hamatis. Sporidia globosa, circa apices ramulorum congesta. *(Ehrenb.)*

1939. *C. bicolor Ehrenb.*, hyphis opacis rigidulis brevibus flexuosis olivaceo-nigris dense aggregatis in ramulos pellucidos desinentibus, sporidiis magnis subovatis rufo-fuscis. — *Ehrenb. in Link Jahrb. II.* 53. *t.* 1. *f.* 4. *Link spec. I.* 72. *Schltdl. ber. II.* 154.

Ad Usneam officinarum destructam, primum ab *Ehrenbergio* acutissimo observata, nec Hercyn. deficit.

** *sporidiis uni-s. pluries transversim longitudinaliterque septatis s. toruloso-moniliformibus.*

236. DACTYLIUM NEES. *Fingerschimmel.*

Hyphae steriles obsoletae, fertiles erectae, e fastigio sporidia oblonga septata exserentes.

1940. *D. candidum Nees*, hyphis fertilibus aggregatis simplicibus parce septatis albis, sporidiis majusculis circa apicem congestis paucis oblongis hyalinis septatis. — *Dactylium candidum Nees syst. f.* 58. *Link sp. I.* 77. *Helmisporium candidum Spr. syst. IV.* 554.

Ad truncum quercinum putrem. *(Nees.)*

1941. *D. nigrum Lk.*, hyphis fertilibus sparsis simplicibus nigris continuis, sporidiis binis pluribusve oblongis septatis nigrescentibus.

Ad ligna putrida agri rostoch. *(Link.)*

237. STEMPHYLIUM W. *Knopfschimmel.*

Hyphae simplicissimae breves articulatae nodulosae, vertice incrassato sporidium ovatum subangulatum longitudinaliter transversimque septatum, veluti multiloculare sustinentes. (Cum Helmisporio analogon genus.)

1942. ***St. botryosum W.***, hyphis articulato-nodulosis abbreviatis erectis in fasciculos distinctos gregatimque excurrentes junctis fragilibus, sporidio ovato subangulato longitudinaliter transversimque septato, veluti concamerato laxe appenso opaco nigro majusculo terminatis.

Ad caules exsiccatos, in hortis, auctumni tempore in strues congestos v. c. Asparagorum, in consortio Sphaeriae complanatae *Tod.*, suis locis ubertim. (Hyphae brevissimae 20–30 s. plures, fasciculos pulvinatos, in greges subrotundas s. oblongas compulsas constituunt oculosque maculis nigrescentibus alliciunt, et cum aetate s. exsiccando facile evanescunt s. deteruntur.)

238. DENDRYPHION W. *Paternosterträger.*

Hyphae erectae solidae continuae opacae rigidulae simplicissimae, apice sporidiorum sphaericorum catenulas lineares continuas (facile tamen secedentes), in capitulum laxum penicillatum congestas exserens.

1943. ***D. comosum W.***, hyphis strictis stipatis simplicissimis rigidulis brevibus nigris confertim sparsis, apice sporidiorum catenulas lineares breves hyalinas in comam stellatam laxe congestas gryseas sustinentibus. — *Aspergillus catenulatus Wallr. in lit.*

Ad Urticae dioicae caules putrescentes inferiores in agri northusani variis locis, nusquam tamen frequenter. (Hyphomycetes perquam singularis, sporidiorum concatenatione Oosporam, eorum dispositione in comam hemisphaericam Dactylium, habitu externo Stilbum referens, notis laudatis tamen distinctum.)

NB. Aliud genus elegantissimum ad virgulas salicinas putres circa Heringam Thuring. lectum, exsiccando

periit, *Corynodesmium* dictum, a *Kunzeo* amicissimo, cum quo illud olim communicavi, forsan describendum.

†† *sporidiis simplicibus ramulos laterales terminantibus.*

239. ACREMONIUM LK. *Haftschimmel.*

Hyphae parce ramosae septatae. Sporidia simplicia ramos varie digestos et pateutim porrectos occupantia.

1944. *A. fuscum Kz.*, hyphis arachnoideis expansis fuscis ramulos alternos oppositosque approximatos exserentibus sporidiaque globosa concolora sustinentibus. — *Acremonium fuscum Kunz. et Schm. myk. Hft. I. 19. t. 2. f. 23. Link spec. I. 15.*

Ad lignum abietinum putridum agri lips. *(Kunze.)*

1945. *A. nitidum Mart.*, hyphis limitatis coccineis. — *Mart. crl. 339. Link spec. I. 15. Mycogone nitida Spr. syst. IV. 555.*

Ad Sphaeriam deustam agri erlang. *(Martius.)*

1946. *A. alternatum Lk.*, hyphis arachnoideis effusis laxe intertextis albis ramulos fertiles breves alternos emittentibus, sporidiis globosis. — *Acremonium alternatum Link obs. I. 13. Link spec. I. 14. Ditm. in Sturm germ. I. t. 3. Mart. crl. 339. Mycogone alternata Spr. syst. l. l.*

Ad folia dejecta faginea agri rostoch. *(Ditmar.)*

1947. *A. verticillatum Lk.*, hyphis tenerrimis dense intertextis effusis albis in ramulos fertiles verticillatos divisis, sporidiis minimis ovalibus. — *Acremonium verticillatum Link obs. I. 13. f. 20., spec. I. 14. Nees syst. 45. f. 39. Mart. crl. 339. Mycogone verticillata Spr. syst. l. l.*

Ad truncos Pinuum putridos passim.

240. VERTICILLIUM NEES. *Wirtelschimmel.*

Hyphae decumbentes, fertiles erectae septatae ramosae. Sporidia simplicia, apicibus ramulorum innata iisque veluti pedicellata.

1948. *V. tenerum Nees*, hyphis tenerrimis aggregatis rubro-gryseis, ramulos ternos patentes sporidia globosa alba sustinentes emittentibus. — *Verticillium tenerum Nees syst.* 57. *f.* 55. *Link spec. I.* 75. *Botrytis tenera Pers. myc. I.* 38.

Ad caules herb. elatiorum, Alceae roseae v. c.

1949. *V. capitatum Ehrenb.*, hyphis laxe in fasciculos minutissimos congestis albis, versus apicem parce ramosis ibique sporidia globosa pellucida sustinentibus. *Verticillium capitatum Ehrenb. sylv.* 13. 25. *Link spec. I.* 76. *Botrytis capitata Pers. l. l.*

Ad excrementa larvarum minima in truncis putridis agri berol. Vere. (*Ehrenberg.*)

241. STACHYLIDIUM LK. *Aehrenschimmel.*

Hyphae steriles decumbentes, fertiles assurgentes septatae ramosae, ramis lateralibus (*sporidia Lk.*) oppositis verticillatisque oblongis, sporidiis globulosis minimis (*granulis Lk.*) demum adspersis.

1950. *St. terrestre Lk.*, hyphis arachnoideis tenuiter intertextis albis, alias erectas leviter emersas transmittentibus breviter ramosas, ramulis oblongis verticillatis, sporidiis concoloribus globosis. — *Stachylidium terrestre Link obs. I.* 73. *f.* 21. *spec. I.* 78. *Mart. crl.* 343. *Botrytis terrestris Pers. myc. I.* 38.

Ad terram umbrosam cricetorum passim.

1951. *St. bicolor Lk.*, hyphis robustis longe lateque expansis gryseis, fertilibus ad apicem ramosis, ramis oppositis verticillatisque, sporidiis albis. — *Stachylidium bicolor Link spec. et obs. l. l. Botrytis bicolor Pers. myc. l. l.*

Ad caules exsiccatos, Rhei v. c. undulati (*Link.*)

242. DIPLOSPORIUM LK. *Zwillingschimmel.*

Hyphae fertiles erectae ramosae septatae. Sporidia didyma s. septo transverso distincta.

1952. *D. nigrescens Lk.*, hyphis parce ramosis fuligineo-atris in hyphasma effusum crassiusculum congestis, sporidiis ovalibus didymis concoloribus. — *Diplosporium nigrescens Link sp. I.* 64. *Botrytis didyma Kunze et Schm. myk. Hft. I.* 81. *Pers. myc. I.* 37.

Ad lignum durum agri Lips. (*Schmidt.*) (Cum Trichothecio analogon quidem idque pro Sporotricho, quod hoc pro Botrytide.)

ꝏ *synthetici, hyphis arachnoideis ad synthesin contextis, nonnisi in figuram variam constipatis, hyphasma (trichophorum Nees.) figuratum, nunc assurgens, nunc depressum concinnantibus, sporidiis fastigiatis s. undique superfusis foetis.*

(Hyphomycetes gymnomycetes Lk. Trichomycetes Mart. Uredineae tuberculariae et scoriadeae Dub. Cephalotricheae Fr.)

† *hyphasmate assurgente figurato.*

243. COREMIUM LK. *Pinselschopf.*

Hyphae steriles obsoletae, fertiles erectae hyalinae septatae plurimae fasciculatim congestae, hyphasma veluti laxe constipatum constituentes. Sporidia simplicia terminalia penicillata. (Est Penicillium syntheticum.)

1953. *C. glaucum Lk.*, hyphis fertilibus arachnoideis erectis in fasciculos laxos congestis sordide latescentibus, sporidiis terminalibus comoso-penicillatis dein glaucis. — *Coremium glaucum Link obs. I.* 19. *f.* 13. *Mart. crl.* 365.

Ad fructus conditos corruptos vulgare.

1954. *C. candidum Nees*, hyphis fertilibus arachnoideis erectis in fasciculum laxe congestis candidis, sporidiis terminalibus concoloribus. — *Coremium candidum Nees syst.* 87. *f.* 86. *Mart. crl.* 365. *Link spec. I.* 71. *Monilia candida Pers. syn.* 692.

In similibus cum praeced. locis, a quo vix nisi colore differt.

1955. *C. citrinum Pers.*, hyphis fertilibus erectis fasciculatis citrinis, sporidiis terminalibus concoloribus. — *Coremium citrinum et leucopus Pers. myc. I.* 43. *Link spec. I.* 72. *Monilia Penicillus Pers. syn.* 692.

In muscerdis rarius. *(Persoon.)*

244. CERATIUM ALB. et SCHW. *Faltenschopf.*

Hyphae simplices arachnoideae in hyphasma primum fluxum elongatum subramosum membranaceum varie figuratum constipatae, ex aqua facile semet evolventes, in apice sporidia solitaria aduata dein fugacia gerentes. (Cum Hydno Hymenomycetum eximie analogon.)

(*Ceratium Alb. et Schw. Isaria Spr. Puccinia Adans.*)

1956. *C. floccosum W.*, hyphis arachnoideis tenerrimis ex apice sporidia microscopica concolora exserentibus, in hyphasmata distincta simplicissima sparsim aggregata, e basi crassiore sensim tenuata conica s. pyramidalia, raro denno producta filiformia candidissima laxe constipatis sporidiisque prominulis tenuissime villosulis.

Intra Salices cavas pr. Heringam Thuring. *(Wallr.)*

1957. *C. pyxidatum Alb. et Schw.*, hyphis sterilibus effusis tenuissimis velutino-pulverulentis cubilia obliterantibus albidis, fertilibus constipatis in hyphasmata brevia confertim sparsa, e basi simplici sive in apicem conformem sive bi- tri- pluriesve partitum abeuntia erecta pallida succrescentibus.

α. cornutum, hyphasmate cornuto simplicissimo nonnisi productiore acuminato. — *Ceratium pyxidatum Alb. et Schw. nisk.* 359. *t.* 12. *f.* 9. *Link spec. II.* 119. *Isaria pyxidata Spr. syst. IV.* 545.

β. flabellatum, hyphasmate bi- tripartito s. flabellato. — *Ceratium porioides Alb. et Schw. nisk.* 359. *t.* 2. *f.* 6. *Link spec. II.* 119. *C. aureum Link obs. II.* 39. *Pers myc. I.* 44.

Ad ligna putrida passim. (Hyphasmata ex aetate magis pallescunt.)

1958. *C. virescens W.*, hyphasmatibus corunlis simplicissimis in apicem sensim acuminatis erectis distinctis aggregatis greges longe effusas densas constituentibus, sporidiis olivaceo-flavescentibus illud dense ambcuntibus.

Ad ramulos (Pruni, Salicis) putredine exesos in sepimentorum liminibus terrestribus coacervatos pr. Heringam Thuring. (*Wallr.*) (Ab Hydno virescente *Alb. et Schw.* caute dignoscendum.)

1959. *C. ferrugineum W.*, hyphis arachnoideis ferrugineis in stratum circumscriptum dein effusum tenue dense intertextis, hyphasmata brevia simplicissima erecta cornuta concolora exserentibus.

Ad truncos putrescentes Pyri communis Thuring. (*Wallr.*) (*Hydnum ferruginosum Pers.* caute dignoscendum, nisi id quoque melius sub Ceratio militat.)

1960. *C. rubicundum Ehrenb.*, hyphasmatibus in stratum carnosum rubicundum confluentibus ramosis albis. — *C. rubicundum Ehrenb. Link spec. II.* 119.

Ad muscos putres agri berol. (*Ehrenberg.*)

1961. *C. hydnoides Alb. et Schw.*, hyphis tenerrime arachnoideis candidis, hyphasmata distincta dein fasciculato-congregata, a basi inde in ramos conformes obtusos patentes simplices divulsa constipata ex sporidiis concoloribus superfusis villosula redintegrantibus. — *Ceratium hydnoides Alb. et Schw. nisk.* 358. *t.* 2. *f.* 7. *Nees syst. f.* 82. *Link spec. II.* 118. *Isaria mucida Pers. syn.* 688. *Clavaria Puccinia Batsch elench. f.* 49. *C. byssoides Bull. Byssus fruticulosa Oed. fl. dan. t.* 718. *f.* 2. *Tremella hydnoidea Jacq. Murr. Puccinia Mich. Hall.*

Ad truncos putridos fagineos et salicinos passim. (Aliud habitu quidem simile, fabrica interna multo subtiliore, hyalina, candore niveo, hyphasmatibus compressis taeniatis flexuosis ramosis parce sporophoris alienum conservo, forsan novum s. senile.)

245. ISARIA PERS. *Keulenschopf.*

Hyphae arachnoideae in hyphasma continuum elongatum simplex s. ramosum contextae inque clavulam (magis minusve protensam) plerumque figuratae, extus solutae filamentosae, sporidia globosa numerosissima interspersa foventes deinque transmittentes.

(Isaria Pers. et auct. Ramariae et Clavariae sp. auct.) — Fungilli plerumque farinacei fugaces, ex lignis putredine exesis ipsisque insectorum larvis corruptis sponte emergentes.

† *epizoae, hyphasmate ex insectis emergente.*

1962. *I. crassa Pers.*, hyphasmate crassiusculo subconico simplicissimo albo praeter basin glabram undique farinoso-sporophoro. — *Isaria crassa Pers. syn.* 637., *myc. I.* 45. *Alb. et Schw. nisk.* 360.

Ad chrysalides terrae infossas passim. *(Linkius* Isariae truncatae subscribere jubet.)

1963. *I. velutipes Lk.*, hyphasmate gregario albo capituligero farinoso-sporophoro, basi stipitiformi concolore villoso. — *Isaria velutipes Link obs. I.* 18. *f.* 32. *Nees syst. f.* 85. *Ditmar in Sturm germ. III. t.* 54.

Ad chrysalides emortuas passim.

1964. *I. arachnophila Ditm.*, hyphasmate gregario simplicissimo candido e basi in apicem sensim aequaliterque intumescente, undique sporidiis concoloribus compactis, tegmen tartareum rimosum mentientibus superfusis. — *Isaria arachnophila Ditmar in Sturm germ. III. t.* 55. *Link sp. II.* 113. *Pers. myc. I.* 45.

In araneis putrescentibus passim. (Apice hyphasmata nonnisi bipartiuntur, totum corpus, sub herbis delitescens iisque adpressum abscondunt ideoque ortum vegetabilem saepius fingunt.)

1965. *I. Eleutheratorum Nees*, hyphasmate subcompresso filiformi ramuloso undique albo floccoso-sporophoro, ramulis lateralibus curtis. — *Isaria Eleu-*

[illegible] (Mauritius.)

C. carneum W., hyphis arachnoideis ramo-
[illegible] albis laxe molliterque intertextis, spori-
[illegible] in globulos pallide-carneos conglobatis vil-
[illegible] dispersis dein fatiscentibus, hyphasma undi-
[illegible] illudque membranaceum pallide cinna-
[illegible]mentientibus.

[illegible] gui fagineri fragmenta scissa Thuring. (*Wallr.*)

C. rhodochroum W., hyphis arachnoideis
[illegible]rtextis effusis albis dein rubentibus, sporidiis
[illegible] globos albos mox miniatos rubrosque conglo-
[illegible] minimis concoloribus secedentibus hyphamque
[illegible]ntibus. — *Sporotrichum sporulosum Link spec.*
[illegible] *monotrichum Spr. syst. IV.* 547. *Sp. rhodo-*
[illegible] *Jahrb. I.* 177. *Aleurisma sporulosum, insper-*
[illegible] *et roseum Link obs. A. erubescens*
[illegible] 52. *f.* 48.

[illegible]quilias putres ipsamque terram adam.

. DACTRIDIUM KUNZ. *Knollenschimmel.*

[illegible] solitaria elongata extremitatibus hyalinis me-
[illegible] gramosa (? sporulis) referta aggregata,

Ad truncos putridos Hercyn. infer. passim.

1971. *I. glauca Ditm.*, hyphasmate subsimplici e basi connata emergente undique floccoso-sporophoro canescente. — *Isaria glauca Ditmar l. t. t.* 19. *Link sp. II.* 116.

Ad ramos fagineos agri rostoch. (*Ditmar.*)

1972. *I. clavata Ditm.*, hyphasmate simplici e basi sensim in apicem clavatum obtusum incrassato, undique floccoso umbrino-stramineo. — *Isaria clavata Ditmar l. l. t.* 56. *Link sp. II.* 115.

Ad truncos fagineos passim.

1973. *I. bulbosa Necs*, hyphasmate e basi dilatata sensim tenuato parceque ramuloso, undique floccoso-sporophoro albo. — *Isaria bulbosa Necs syst. f.* 83. *Link sp. II.* 116.

Ad truncos putridos. (*Necs.*) (*Linkius* rectius forsan pro I. glaucae declarat juvene.)

1974. *I. hydnoides Lk.*, hyphasmate tenerrimo erecto conferto brevissimo e basi aequali in apicem acutum tenuato undique floccoso-sporophoro candido. — *Isaria hydnoides Link sp. II.* 116. *Hydnum calcum Alb. et Schw. nisk.* 271. *t.* 10. *f.* 8.

Ad truncos putridos passim.

1975. *I. glaucocephala Lk.*, hyphasmate basi connata fuscescente floccoso in apices canescentes desinente. — *Isaria glaucocephala Link sp. II.* 116.

Ad ramulos emortuos agri berol. (*Link.*)

1976. *I. furcellata Mart.*, hyphasmate gregario albo molli in ramos erectos subfastigiatos subclavatos divulso, hyphis sporophoris erectis densis versus apicem collectis. — *Isaria furcellata Mart. crl.* 364. *Link sp. II.* 117.

Ad asseres semiputres agri erlang. (*Martius.*)

1977. *I. umbrina Pers.*, hyphasmata e basi con-

...ribus, sporidiis raris globosis. — *Colleto-*
...*rium Link sp. I.* 25.

...m internum corticis arborum putrescent. in
...*l.* (*Link.*)

...*atrum Lk.*, hyphis teneris effusis atris in
... contextis, vesiculis dispersis raris, spori-
... — *Colletosporium atrum Link l. l.*

... dejectus agri berol. (*Link.*)

SPORODINIA LK. *Flockenschimmel.*

...obustae septatae ramosae, fertiles erectae,
... sporidia aggregata colligentes.

... *grandis Lk.*, hyphis robustis vage ra-
...scis in hyphasma laxum congestis, ramis
...ice clavato sporidia ovalia plurima magna
... illisque aggregatis coronatis. — *Sporodinia*
... *spec. I.* 94. *Aspergillus globosus Link obs.*
... *Ehrenb. sylv.* 34. *Monilia spongiosa Pers.*

... putrescentes Hercyn. passim.

... *carnea Ehrenb.*, hyphis obsoletis, fer-
...ascidis brevibus, in apicem globosum illico
...rimum alba dein carnea fatiscentem intu-
... — *Mucor carneus Link spec. I.* 88. *Poly-*
... *Ehrenb. sylv.* 12. 25.

...ebrentris folia putrida agri berol. (*Ehrenberg.*)

... *candida W.*, hyphis vage ramosis erectis
...tis tenerrimis hyalinis distinctis fasciculato-
...yphasma plumosum mentientibus candidissi-
... sporophoris suboppositis lateralibus appro-
...tibus a basi tenuata tubaeformibus sporidia
... ovato-subrotunda concolora eructantibus
...bum congestis coronatis.

... Sambuci nigrae tabida Thuringiae. (Elegan-
...lus nudos habitu tenero plumoso, armatos

in hyphasma submembranaceum subcontiguum applanatum cum sporidiis microscopicis foras interspersis contextae.

(*Hypochnus Fr. obs. Athelia Pers. myc. Dub. Tomentella Pers.*) — Genus dubium; habitu cum Asporomyc. rhizomorphis byssinis, fabrica cum Thelephoris resupinatis comparandum, sporidiorum cum hyphasmate relatione Hyphomycetes veluti explanatos vel ad figuram vel ad indolem hymenoden tendentes praestans.

1981. *H. sereus Fr.*, hyphasmate effuso niveo inaequali arcte adpresso pruinoso-tomentoso. — *Hypochnus sereus Fr. obs. II.* 278. *Thelephora serea Pers. syn.* 580. *Alb. et Schw. nisk.* 278.

Ad ligna salicina et alnea putredine exesa. (Aliquantum desciscit et fabrica Hymenellam referre videtur.)

1982. *H. epiphyllus W.*, hyphasmate tenuissimo glabro irregulariter effuso cinerascente. — *Athelia epiphylla Pers. myc. I.* 84. *Dub. gall. II.* 933.

Ad folia quercina sicca.

1983. *H. dendriticus W.*, hyphis tenerrimis radiantibus albo-pallescentibus, supra sporidiis concoloribus parcis conglobatis adspersis, hyphasma tenuissimum centro angusto-reticulatum, ambitu dendritico-expansum constituentibus, dein confluentibus.

Ad corticem Prunі acidae hort. thuring. (Corticem longe lateque ambit, Ozonii candidi instar semet explicat, sporidiis coactis vero superfusus.)

1984. *H. velutinus W.*, hyphasmate longitudinaliter effuso pulverulento-velutino, a centro carneo-rufo inde ambitum dilutiorem albidum fibrillosum spargente. — *Athelia velutina Pers. et Dub. l. l. Thelephora velutina DC. gall. VI.* 33.

Ad ligna exsiccata locis udis.

1985. *H. sericeus W.*, hyphasmate suborbiculari a centro reticulatim contexto pallide-fuscescente inde

...nicis pyriformibus connatis luteo-virentibus demum ...ntractis maximis, globulo sporophoro mediotenus ...sporidiis globosis minimis subpellucidis. — *Ehrenb. Verhdl. I. 98. t. 2., sylv. 13. 25. Schltdl. berol. II. 147.*

Agaricos putres, auctumno. (*Ehrenberg.*)

288. MUCOR PERS. *Knopfschimmel.*

...phae steriles decumbentes laxe irregulariterque im... hyalinae fluxiles quasi ac caducae, fertiles erectae ...septatae et ramosae, apice vesiculam sporopho... ...sporidiis simplicibus globosis foetam, dein ...liquentem, sive indurescentem, sive rumpentem ...ntes.

...hyphaemate manifesto.

...12. *M. fimetarius Lk.*, hyphis arachnoideo-la... ...mplexis effusis albis, fertilibus ramosissimis, vesi... ...globosis indurescentibus deplanatis subtus umbili... ...gris. — *Mucor fimetarius Link obs. I. 29., spec. I. 80.*

...stercus vaccinum frequens.

...13. *M. acicularis W.*, hyphis teneris tenacellis ...ibus simplicibus praelongis assurgentibus hyalinis, ...ca vesiculam globosam primum albo-viridulam ...ad depressam dilute cineream minutissimam su... ...ibus.

...fimum equinum stabulorum udorum, qui hyphis aci... ...m porrectarum instar inhorrescere videtur.

...14. *M. truncorum Lk.*, hyphis arachnoideo-la... ...albis, fertilibus ramosis vesiculas globosas dein de... ...as indurescentes subtus umbilicatas fuscas elevan... — *Mucor truncorum Link l. l.*

...truncos putrescentes passim.

...15. *M. rufus Pers.*, hyphis lanosis albis ex... ..., fertilibus ramosis ex apice vesiculas globosas pri... ...albidas dein rufo-fuscescentes nigrasve exserentibus

rulescente oculos allicit et ab omnibus recedit, dein vero pallescit magis, caesius redditur inque areolas rimosas male dehiscit.)

1989. *?H. umbrinus W.*, hyphis arachnoideis albis cum strato sporophoro superficiali membranaceo-constipato umbrino in hyphasma adnatum, primum rotundum dein longe expansum, margine lacerum contextis, membranam longitudinaliter scissam mentientibus. — *?Himantia umbrina Alb. et Schw. nisk.* 373.

Ad canales abietinos s. aquaeductus sub terra defossos ibique putrescentes northusanos. (Quem interim ita voco organismum, clandestinam observare videtur cum Rhizomorpha subterranea *Pers.* consortionem ejusque forsan monstrum expansum s. plyuthodes sistit.)

1990. *H. strigosus W.*, hyphasmate obscure-lutescente opaco crassiusculo irregulari dense strigoso-villoso, praeter ambitum dilutiorem byssinum strato sporophoro pallido obducto. — *Athelia strigosa Pers. myc. I.* 83. *Dub. gall. II.* 932.

β. filamentosus, hyphasmate filamentoso s. subfuniculari sordide lutescente, extus pulverulento. — *Thelephora byssoides DC. gall. VI.* 33. *Fr. syst. I.* 452. *Pers. syn.* 577.

Ad ligna salicina putria; *β.* inter muscos pinetorumque quisquilias, quas jugiter penetrat ac obducit.

247. CONIOPHORA DC. *Staubträger.*

Hyphasma tenue membranaceum adnatum molle, strato conformi sporophoro in acervulos numerosos concentricos pulverulentos fatiscente obductum.

(*Coniophora DC. Pers. Thelephorae sp. auct.*) — Genus nondum satis notum, cum praecedente tamen confine, forsan idem.

1991. *C. membranacea DC.*, hyphasmate tenuiter membranaceo albido, zonis fuscis variegato, lutescente,

margine byssino pallido. — *Coniophora membranacea DC. gall. IV. 34. Pers. myc. I. 53. Dub. gall. II. 773.*

β. leioplaca, hyphasmate suborbiculari laevissimo pallide-fuscescente, zonis concentricis pulveraceis exarato. *Pers. l. l. Auricularia pulverulenta Sowerb. t. 214.*

Ad ligna trabesque putres vaporariorum; *β.* ad parietes udos, rarissime. (Superficies tuberculis majusculis difformibus, sporidia globosa spadicea spargentibus tecta; hyphasma saepius longe lateque expansum, a cubilibus facile divellendum.)

1992. *C. foetida Pers.*, hyphasmate carnoso-tremelloso rugoloso fusco albo-pruinoso, zonis dilutioribus, verrucis inaequalibus majusculis, sporidiis oblongis minimis. — *Coniophora foetida Pers. myc. I. 154. Thelephora foetida Ehrenb. sylv. 18. 30. Schltdl. berol. 200.*

Ad asseres putres cloacis obtectos, agri berolin. (*Ehrenberg.*)

1993. *C. Cerebella Pers.*, hyphasmate molli subtus tomentoso subolivaceo, supra undulato-gyroso rubiginoso-pulverulento. — *Coniophora cerebella Pers. myc. I. 155. Thelephora cerebella Pers. syn. 580.*

Ad ligna uda cellarum agri misniaci. (*Ludwig.*)

248. EPICHYSIUM TODE. *Rankenbecher.*

Hyphasma infundibuliforme figuratum carnoso-succulentum, intus hyphis funicularibus ramosis constipatis adnatis, latere utroque sporophoris exaratum.

1994. *E. argenteum Tode*, hyphasmate infundibuliformi carnosulo argenteo tenacello, basi fibrillosa infixo, facie interna hypharum funiculo reticulato s. dendritico ramoso adpresso sporophoro exarato, dein dilute fuscescente. — *Epichysium argenteum Tod. mecl. Nees syst. f. 90. Alb. et Schw. nisck. 356.*

In stercore (suillo) corrupto rarissime, agri meclenb. (*Tode*), Lusatiae (*Albertini et Schweiniz*). (Genus dubium mihi satisque vexatum; *Todei* auctoritate tamen

Ad corticem arborum agri lips. (*Kunze*),

2001. *B. candidum Kz.*, hyphis albis strictis in caespites condensatis, sporidiis oblongis utrinque obtusis concoloribus. — *Bactridium candidum Kz. et Schm. l. l. Link l. l. Trichothecium candidum Spr. l. l.*

In similibus cum priore locis (*Schmidt.*)

2002. *B. carneum Kz.*, hyphis strictis albis in caespitem parcius junctis, sporidiis oblongis subcyliadricis acutis carneis. — *Bactridium carneum Kz. et Schm. l. l. Nees l. l. t. 2. f. 21.*

Ad truncos putres Helvetiae primum a *Necsio* repertum, equidem in similibus l. Thuring. legi.

†† *cystispori, sporidiis peridiolo (sporangium s. peridium auct., cystis Nees.) veluti inclusis s. illud obsidentibus. (Nematomycetes vesiculiferi Mart.)*

252. PHYCOMYCES KZ. *Oelschimmel.*

Hyphae decumbentes continuae simplices flaccidae, apice in sporidia oblonga circa vesiculam insidentem collecta desinentes.

2003. *Ph. nitens Kz.*, hyphis simplicibus decumbentibus continuis olivaceo-nigris in stratum effusum digestis, vesicula pyriformi nitida concolore dein sporidiis ovalibus erumpentibus superfusa. — *Phycomyces nitens Kunze in myk. Hft. I. 113. Mucor nitens Spr. syst. IV. 539. Ulva nitens Agrdh spec. I. 425.*

Ad molas cellasque olearias patruas passim, tum ad ligna, tum ad saxa.

253. COLLETOSPORIUM LK. *Blasenschimmel.*

Hyphae ramosae intricatae enodes continuae, massa vesiculosa hinc inde inspersae. Sporidia globosa minutissima simplicia, vesiculas infarcientia.

2004. *C. umbrinum Lk.*, hyphis ramosis badiis in stratum densum longe lateque effusum intertextis, vesi-

culis irregularibus, sporidiis raris globosis. — *Colletosporium umbrinum Link sp. I.* 25.

Ad paginam internam corticis arborum putrescent. in comit. glaceusi. (*Link.*)

2005. *C. atrum Lk.*, hyphis teneris effusis atris in stratum tenue contextis, vesiculis dispersis raris, sporidiis globosis. — *Colletosporium atrum Link l. l.*

Ad ramos dejectos agri berol. (*Link.*)

254. SPORODINIA LK. *Flockenschimmel.*

Hyphae robustae septatae ramosae, fertiles erectae, apice tumido sporidia aggregata colligentes.

2006. *Sp. grandis Lk.*, hyphis robustis vage ramosis flavo-fuscis in hyphasma laxum congestis, ramis divaricatis apice clavato sporidia ovalia plurima magna eructantibus illisque aggregatis coronatis. — *Sporodinia grandis Link spec. I.* 94. *Aspergillus globosus Link obs. I.* 14. *f.* 15. *Ehrenb. sylv.* 34. *Monilia spongiosa Pers. myc. I.* 30.

Ad fungos putrescentes Hercyn. passim.

2007. *Sp. carnea Ehrenb.*, hyphis obsoletis, fertilibus erectiusculis brevibus, in apicem globosum illico in sporidia primum alba dein carnea fatiscentem intumescentibus. — *Mucor carneus Link spec. I.* 88. *Polyactis carnea Ehrenb. sylv.* 12. 25.

Ad Pini sylvestris folia putrida agri berol. (*Ehrenberg.*)

2008. *Sp. candida W.*, hyphis vage ramosis erectis remote-septatis tenerrimis hyalinis distinctis fasciculato-aggregatis, hyphasma plumosum mentientibus candidissimis, ramulis sporophoris suboppositis lateralibus approximatis patentibus a basi tenuata tubaeformibus sporidia microscopica ovato-subrotunda concolora eructantibus iisque in globum congestis coronatis.

Ad folia Sambuci nigrae tabida Thuringiae. (Elegantissima; oculos nudos habitu tenero plumoso, armatos

— *Mucor rufus Pers. syn.* 200. *Link l. l. M. ramosus Bull. champ. t.* 480. *DC. gall. II.* 248. *Dub. gall. II.* 914.
Ad fungos pomaque putrescentia.

2016. *M. ferrugineus Lk.*, hyphis arachnoideis dense contextis fugacibus, fertilibus ramosis ad apices vesiculam ferrugineam exiguam exserentibus. — *Mucor ferrugineus Link spec. I.* 82.

Ad pastam ex sulfure et tartaro mixtam. (*Ehrenberg.*)

2017. *M. carnis Lk.*, hyphis arachnoideis dense intertextis albis facile fugacibus, fertilibus ramosis ex apice vesiculam olivaceo-fuscescentem minutam exserentibus. — *Mucor carnis Link spec. l. l. ? M. gracilis Link l. l.*

Ad carnes assatas passim, nec non ad panem mucidum.

2018. *M. Juglandis Lk.*, hyphis arachnoideis tenuibus parce dispersis, fertilibus brevibus, vesiculam globosam flavam demum verrucosam exserentibus. — *Mucor Juglandis Link obs. I.* 18., *spec. l. l.*

Intra nuces juglandes minime raro.

2019. *M. corymbosus W.*, hyphis albis sparsis arachnoideo-lanosis (exsiccando) tenacellis persistentibus hyalinis candidis in ramulos fertiles divulsis, ramulis corymbosis brevibus conformibus, vesiculas globosas majusculas candidas, sporidiis globosis pellucidis farctas sustinentibus.

Ad corticem lichenosum Rhamni Frangulae humi jacentem, in sepimentis Thuring. (*Wallr.*) (Vesicularum sporophorarum per omnem aetatem candore peculiari, differt haec species bella a sequente habituque Melidium reddit.)

2020. *M. flavidus Pers.*, hyphis albis arachnoideis lanosis, fertilibus ramosis vesiculam globosam latescentem dein gryseam elevantibus. — *Mucor flavidus Pers. syn.* 199. *Nees syst. f.* 76. *Mart. crl.* 361. *Link spec. I.* 83. *Byssus Schmid. icon. t.* 52. *f.* 2.

Ad fungos putrescentes passim.

2021. *M. microcephalus W.*, hyphis praelongis debilibus flaccis simplibus distinctis sparsis argenteis assurgentibus omnibus fertilibus vesiculamque sphaericam exiguam flavo-fuscam asperulam dein (sub aqua) in sporidia ovalia hyalina fatiscentem longe exserentibus.

Ad setas porcinas sapone illinitas. (*Wallr.*)

2022. *M. pygmaeus Lk.*, hyphis dense intertextis albis dein fuscescentibus, fertilibus ramosis assurgentibus vesiculamque fuscescentem exiguam exserentibus. — *Mucor pygmaeus Link sp. I.* 83.

In pasta e sulfure et semin. Anisi composita. (*Ehrbg.*)

2023. *M. terrestris Lk.*, hyphis arachnoideis dense implexis albis, fertilibus parce ramosis vesiculam globosam albam elevantibus. — *Mucor terrestris Link spec I.* 83.

Ad Confervarum putrid. strues propter lacum salsum agri hal. exstructas.

2024. *M. lateritius Lk.*, hyphis arachnoideis dense intertextis aurantiacis, vesiculam globosam minutissimam sustinentibus. — *Mucor lateritius Link l. l.*

Ad panem mellitum. (*Ehrenberg.*)

2025. *M. oosporus Lk.*, hyphis arachnoideis laxe intertextis albis, fertilibus subsimplicibus depressis vesiculam globosam concolorem (ex aqua) in sporidia oblonga fatiscentem sustinentibus — *Mucor oosporus Link l. l.*

Ad stercus caninum passim.

2026. *M. Mucedo Mart.*, hyphis arachnoideis jugiter contextis omnibus subsimplicibus albis, vesiculis globosis primum albis dein nigrescentibus. — *Mucor Mucedo Mart. exl.* 361. *Link spec. I.* 85.

Ad corpora putrescentia quaecunque, carnes potissimum, panem coctum aliaque ejusmodi.

†† *hyphasmate obsoleto.*

2027. *M. tenuis Lk.*, hyphis tenuissimis albis, fer-

tilibus erectis crassiusculis vesiculam globosam nigram (ex aqua) in sporidia copiosissima fatiscentem exserentibus. — *Mucor tenuis Link spec. I.* 86.

Ad poma exsiccata putrida. (*Ehrenberg.*)

2028. *M. aquosus Mart.*, hyphis obsoletis, fertilibus simplicibus aggregatis albis vesiculam globosam aquosam pallide-ochraceam sustinentibus. — *Mucor aquosus Mart. erl.* 362. *Link spec. I.* 88.

Ad corpora sub aqua putrescentia agri erlang. (*Mart.*)

2029. *M. minimus Lk.*, hyphis obsoletis, fertilibus simplicibus aggregatis rigidulis lutescentibus vesiculam crystallinam elevantibus. — *Mucor minimus Link spec. I.* 89. *M. ?Hydrophora Pers. syn.* 202. *Nees syst. f.* 71. *Hydrophora minima Tode mecl. II.* 5. *t.* 8. *f.* 65.

Ad ramos fagineos, quibus putredo Hyadibus regnantibus imminet., v. c. ducat megap. (*Tode*), Francon. (*Nees.*)

2030. *M. tenellus Schum.*, hyphis obsoletis, fertilibus erectis gryseis tenellis vesiculas crystallinas subpendulas sustentantibus. — *Mucor tenellus Schum. saell. II.* 237. *Link spec. I.* 89. *M. Aspergillus Scop. carn. Hydrophora tenella Tod. meckl. II.* 6.

Ad ramulos caulesque putridos auctumno. (Species dubia ac suspecta.)

2031. *M. caninus Pers.*, hyphis obsoletis albis, fertilibus erectis simplicibus, vesiculas lutescentes minutas exserentibus. — *Mucor caninus Pers. syn.* 201. *Nees syst. f.* 79. *Mart. erl.* 362. *Link spec. I.* 90. *Hydrophora stercorea Tod. mecl. II.* 7.

Ad stercus caninum vulgaris.

2032. *M. stercoreus Lk.*, hyphis obsoletis, fertilibus erectis simplicibus lutescentibus, vesiculas concolores majusculas elevantibus. — *Mucor stercoreus Link spec. I.* 90. *Hydrophora stercorea Tod. l. l.*

Ad stercus humanum. (*Tode.*)

2852. *St. hyssoides Spr.*, hyphis [illegible] rigidis abbreviatis glaberrimis cinereo-ni[illegible] basi compacta conformi subcontinuis, capi[illegible] nigris. — *Stilbum hyssoides Spr. syst. IV.* 346. *Pericoma hyssoides Pers. syn.* 686. *Nees nov. act. Leopold. IX. t. 5. f. 9.*

Ad caules plantarum elatiorum. (Persoon.)

2854. *St. aquigenum Rebent.*, hyphis stipitiformibus purpurascentibus, capitulo globoso atro-purpureo. — *Stilbum aquigenum Rebent. neom* 382.

Ad Charam vulgarem dispersam, rarissime. *(Rebentisch.)*

2855. *St. olivaceum Spr.*, hyphis stipitiformibus gracilibus nigris, capitulo globoso olivaceo. — *Stilbum olivaceum Spr. syst. IV.* 346. *Atractium olivaceum Schmidt.*

Ad ramos putridos agri Ilpsiens. *(Schmidt.)*

2856. *St. piliforme Pers.*, hyphis stipitiformibus fasciculatis strictis nigris glabris, capitulo sphaerico hyalino fugacissimo. — *Stilbum piliforme Pers. syn.* 581., *myc. I.* 353.

Ad herbas ramosque putres, auctumno.

2857. *St. rigidum Pers.*, hyphis stipitiformibus gregariis robustis rigidis olivaceo-nigrescentibus fragilibus a basi crassiore inde subuliformibus, capitulo primum aqueoso lacteo dein compacto grysseo facile decidu[illegible]. — *Stilbum rigidum Pers. in Ust. Annal. I.* 32. *t. 2 f. 2., syn.* 680. *Ditmar in Sturm germ. t.* 59. *ecu sor. β atra Pers. myc. I.* 349.

Ad truncos putres minime rarum. (Habitu valde recedit et potius, capitulo elapso Sphaeriam qualemcunque contractam adpellat, quod alioquin hyphae indole satis variat et saepius in ramos divellitur.)

2858. *St. citrinum Pers.*, hyphis stipitiformibus elongatis mollibus glabris subfascicularibus pallido-citri-

nis, capitulo globoso. *Pers. syn.* 681., *icon. pict. IV. t.* 22.

Ad truncos putridos Hercyn. (*Persoon.*)

2059. *?St. pallens Spr.*, hyphis stipitiformibus cavis curtis sub epidermide latentibus fuscis, capitulo minuto globoso pallide cinereo. — *Spr. syst. IV.* 546. *Atractium pallens Nees. (teste Spr.)*

Ad ramos alneos. (*Nees.*)

2060. *St. mycophilum Pers.*, hyphis stipitiformibus rigidulis sparsis hyalinis albis, capitulo ex rotundo subturbinato concolore. *Pers. myc. I.* 351.

Ad Agaricos putres, auctumno. (*Persoon.*)

2061. *St. equinum Pers.*, hyphis stipitiformibus pellucidis capillaribus, capitulo subovato ex albido sublateritio demum turbido. *Pers. myc. I.* 353. *? Ascophora Stilbum Tod. mecl.* 14. *t.* 3. *f.* 24.

Ad fimum equinum humidum (*Tode.*)

2062. *St. micropus Pers.*, hyphis stipitiformibus gregariis brevibus crassiusculis albis, capitulo subturbinato. *Pers. myc. I.* 354.. *syn.* 683.

Ad truncos abietinos Hercyn. (*Persoon.*)

2063. *St. rubicundum Tod.*, hyphis stipitiformibus attenuatis subpellucidis demum lutescentibus, capitulo ovato albo. — *St. rubicundum Tod. mecl. I. t.* 2. *f.* 18. *Pers. myc. I.* 354.

Ad caudices Fagorum nuper caesarum. (*Tode.*)

2064. *St. luteum Alb. et Schw.*, hyphis stipitiformibus gregariis minimis pellucidis lutescentibus, capitulo ovali aureo. — *Stilbum luteum Albert. et Schw. nisk.* 354. *Pers. syn.* 684., *myc. I.* 354.

Ad Agaricum putrem agri nisk., semel. (*Alb. et Schw.*)

2065. *St. leiopus Ehrenb.*, hyphis stipitiformibus crassis laevibus albis in capitulum subglobosum depressum roseum sensim tenuatis, figuram clavatam men-

tientibus. — *Stilbum leiopus Ehrenb. sylv.* 24. *Pers. myc. I.* 355.

In stercore murino truncisque putridis agri berolin. (*Ehrenberg.*)

2066. *St. smaragdinum Alb. et Schw.*, hyphis stipitiformibus gregariis subcaespitosis viridibus, rigidis persistentibus deorsum nigrescentibus, capitulo obovato pellucido smaragdino demum deciduo. — *Stilbum smaragdinum Alb. et Schw. nisk.* 355. *t.* 1. *f.* 2.

Ad ligna abietina putrida autumno passim.

†† *capitulo oblongo s. cylindrico, hyphae setiformi decolori innixo.* (*Periconia Tod.*)

2067. *St. flavo-virens Spr.*, hyphis stipitiformibus rigidis persistentibus a basi saturatiore inde virentibus, capitulo oblongo viridissimo. — *Stilbum flavovirens Link spec. I.* 111. *Nees syst. f.* 87. *Periconia flavo-virens Alb. et Schw. nisk.* 357. *t.* 4. *f.* 7.

Ad folia dejecta putrescentia rarius.

2068. *St. nanum Spr.*, hyphis stipitiformibus nigris cinereo-pruinosis, capitulo cylindrico argenteo. — *Spr. syst. IV.* 547. *Periconia nana Ehrenb. sylv.* 13. *Link spec. I.* 110.

Ad strobilos Pini Strobi. (*Ehrenberg.*)

2069. *St. setosum W.*, hyphis stipitiformibus setosis erectis nigris rigidis dein fasciculatis tortuosis, capitulo cylindrico elongato tenui, sporidiis nigris conglobatis obsesso.

Ad Georginae caules putres. (*Wallr.*)

2070. *St. subulatum Spr.*, hyphis stipitiformibus subulatis nigris, capitulo elongato cylindrico cinereo. — *Spr. syst. IV.* 547. *Periconia subulata Nees in act. nov. Leop. IX. t.* 5. *f.* 8. *Link spec. I.* 109. *P. Stemonitis Pers. syn.* 687. *t.* 3. *f.* 15. *P. Avellanae Rebent. neom.* 358. *Isaria Stemonitis Spr. l. l.* 545.

Ad glandes quercinas truncosque putres passim.

2071. *St. typhinum W.*, hyphis stipitiformibus setosis rigidulis distinctis simplicissimis erectis sparsis sensim tenuatis nigro-fuscis, capitulo elongato cylindrico cinerascente, ex sporidiis ovatis pellucidis dense conglobato.

Ad dolia acetaria vacua Thuring. (*Wallr.*) (Cum Stemonitide analoga.)

NB. Quamplurimas quidem Stilbi species tum descriptas tum novas legi, paucas tamen integras potui conservare et ad examen denuo instituendum adhibere.

261. CEPHALOTRICHUM Lk. *Haarschopf.*

Hyphae stipitiformes stipatae continuae, apice in floccos contortos sporidiis interspersis foetos solutae.

2072. *C. leucocephalum W.*, hyphis stipitiformibus gracillimis brevibus in fasciculos penicilliformes junctis, primum candidis, dein aëneis, demum nigris nitidis stipatis e basi congesta diffusis, apice in floccos brevissimos hyalinos candidos, sporidiis conceloribus in capitulum minutissimum album dein gryseum congestis tectos persistentes finientibus.

Ad Campanulam Medium putrescentem, in Stilbi brevipedis consortio. (Pro varia aetate habitum et colorem varium obtinet et nonnisi hyphis apice penicillatim fusis sterilibus occurrit.)

2073. *C. rigescens Lk.*, hyphis stipitiformibus parce fibrillosis fuscis apice in floccos contortos, sporidiis globosis hyalinos foetos solutis. — *Cephalotrichum rigescens Link spec. II.* 111. *Nees syst. f.* 87. *Coremium rigescens Spr. syst. IV.* 544.

Ad truncos caesos agri rostoch. (*Link.*)

2074. *? C. monilioides Lk.*, hyphis stipitiformibus brevissimis albis s. e luteo rufescentibus, capitulo concolre. — *Cephalotrichum monilioides Link spec. II.* 112. *Isaria monilioides Alb. et Schw. nisk.* 362. *t.* 12. *f.* 8. (*rudis.*)

Ad ligna putrida Lusatiae. (*Albertini et Schweiniz.*)

262. DIDYMOCRATER MART. *Krugschimmel.*

Hyphae erectae subsimplices molles s. fluxae septatae laxe caespitosae. Capitulum sporophorum geminatum cylindraceum, vertice in os orbiculatum reclusum.

2075. *D. elegans Mart.*, hyphis erectis subsimplicibus septatis subfibrillosis curtis laxe gregariis, capitulis terminalibus geminatis cylindricis tenuissime membranaceis fragilibus, sporidiis numerosissimis globosis microscopicis foetis viridi-cinerascentibus. — *Didymocrater elegans Mart. erl.* 393. *Link spec. I.* 99.

Ad culmos graminum male exsiccatorum herbariorum. (*Martius.*)

263. EUROTIUM LK. *Nusszchimmel.*

Hyphae decumbentes parce ramosae septataeve in stratum parcum implexae ocius decolores. Capitula sporophora tenuiter membranacea nuciformia, sporidiis simplicibus globosis hyalinis farcta, dein irregulariter fatiscentia. (*Mucoris, Moniliae spec. auct.*) — Genus cum Alphitomorpha analogon Myxomycetumque, *Martio* teste, prototypus s. potius symbolum.

2076. *E. Coriorum W.*, hyphis parce intertextis brevibus tortuosis dein cinnamomeis, capitulis sporophoris mollibus sphaericis minutissimis nudis, primum sparsis lacte citrinis dein luteis conglomeratis, hypham nonnisi obsolventibus.

Ad calceamentorum coria humectis reposita passim (Capitulorum moles Alphitomorphae clandestinae pyrenium vix aequat.)

2077. *E. fructiganum Mart.*, hyphis tenuissimis testaceo-fuscescentibus, capitulis sporophoris minimis ellipticis luteis. — *Mart. erl.* 369. *Link spec. I.* 80.

Ad fructus putridos Fuchsiae hort. erlang. (*Martius.*)

2078. *E. epixylon Kz.*, hyphis congestis dense contextis pulvinato-macularibus, primum flaventibus dein

fusco-rufescentibus. capitulis sporophoris citrinis parvis confertis, hyphasma demum obliterantibus. — *Eurotium epixylon Kunze et Schmidt D. Schw. n.* 83.

Ad ligna caesa in locis suffocatis reposta frequens.

2079. *E. herbariorum Lk.*, hyphis effusis parcis dense intertextis flavis dein ferrugineis, capitulis sporophoris citrinis sparsis majusculis sphaericis duris dein depressis facile fragilibus. — *Eurotium herbariorum Link obs. I.* 44., *spec. I.* 79. *Nees syst. f.* 97. *Mart. crl.* 369. *Monilia nidulans Roth germ. I.* 559. *Mucor herbariorum Wigg. hols.* 111. *Pers. syn.* 202. *M. globosus Hall. hist. n.* 1257.

Ad plantas male siccatas herbariorum locis udis repostorum frequens, ad ligna putrida rarius.

264. PILOPHORA WALLR. *Huthschimmel.*

Hyphae fertiles erectae obsolete septatae simplices, primum fluxiles dein persistentes rigidulae. Capitulum sporophorum tenerrimum, primum sphaericum inflatum, dein vertice umbonato sporidia globosa transmittens basique circumscissa patula hians s. campanulatum.

(*Mucoris et Ascophorae spec. Tode et auct.*) — (Ascophoram cum *Todeo* nolui nuncupare, ascos enim non profert nec alienas species excludit, quae distinctissima et cum Hymenomycetis pileatis analoga est.

2080. *P. roridа W.*, hyphis simplicibus continuis crassiusculis praelongis pallide fuscis in hyphasma nonnisi amplissimum laxe contextis, fertilibus erectis porrectis, capitulo sporophoro primum hemisphaerico fluxo, dein vertice umbonato sporidiis globosis ovatisque aëneoviridibus transfusis tecto basique circumscissa campanulato persistente hyalino. — *Mucor ascophorus Link spec. I.* 85. *M. Mucedo Pers. syn.* 201. *pr. pr. M. roridus Willd. in Uster. Magaz. IV.* 1. *M. sphaerocephalus Bull. herb. t.* 480. *f.* 2. *Ascophora Mucedo Tod. mucl. I.* 13. *t.* 3. *f.* 22. *Alb. et Schw. misk.* 356. *Nees syst. f.* 89. *Mart. crl.* 362. *Grev. cr. t.* 269.

Ad corpora putrescentia passim, nonnisi valde extensa, hyphis numerosissimis composita, fructusque inanes (Cucurbitas v. c.) omnino infarciens.

2081. *P. agaricina W.*, hyphis simplicibus continuis tenerrimis crystallinis albis, sterilibus laxe implexis crispulis, fertilibus erectiusculis brevioribus, praeter apices crassiusculos conformibus, capitulo sporophoro primum hemisphaerico albo dein in basin attracto obconico plicato-lamelloso, sporidia globosa in discum tersum digesta aëneo-virentia concipiente demumque spargente.

Ad panem ex oleo coctum mucidum (*Wallr.*)

Ordo IV.

MYXOMYCETES W. *Schleimpilze.*

Vegetabilia mycetoidea simplicia, praeter basin conformem, nonnisi circumfusam sterilem suffulcientem, myceliorum loco substratam, (*hypothallus Fr.*) stromate destituta, ex massa primitus fluxa, veluti mucilaginosa s. pulposa eaque rudi indigestaque, tepore aestivo idoneo et morphoseos ratae, lactescentis, mucilaginosae et mesenteriae informatione faventibus, perisporangia ex substantia propria composita ordinique propria s. *peridia* ex indumentis simplicibus omnino s. compositis, laxe fibrosoque cellulosis sensim magis in membranam scariosam s. in carnem constipatam coëuntibus itidemque caducis s. persistentibus, varios colores et figuras informantibus, conceptacula ventricosa s. vasculosa mentientibus conflata, primum pulpae glebosae farcimine impalpabili decolore et cum membranulis externis conformi (*aetas fluxa*), ocius jam in sporidia innumera globosa plerumque microscopica, raro in basin caudatam producta, floccis plerumque stuposis sive concinne simpliciterque tortis, sive in parastadem propexam implicitis laxe excepta, exarescendo immutato foeta (*aetas arida*), clausa concinnantia, demum varie dehiscentia et sporidia

contenta fuliginosa pulveris s. fumaginis instar aufuga profundentia, et praeter basin sessilem s. stipitatam, phialae instar residuam ocius jam vel saltem eodem anno perennatia.

(Lycoperdaceae Brong. Dub. Gasteromycetes Mart. G. trichospermi trichogasteres et myxogasteres Fr. Gasteromyci aërogastri, trichocysti et geogastri Nees. Gastromycetum series 1. et 2. (excl. tamen Calycio, Onygena, Mucore et al. ejusm.) Link obs. 1. G. mycetoidei Lk. obs. II. Angiocarpi dermatocarpi Pers. syn. Lycoperdon L. sp. pr. pr.) — Duplicem exsequuntur haec vegetabilia satis singularia aetatem, fluxam et aridam s. fuliginosam et ad illam cautius profecto dignoscantur, quibus scilicet hinc et ob Gasteromycetum titulum ancipitem et ab auctoribus varie traditum, novum dedi. Praeter laudatas, alias, quarum morphosin compertam non habui, aut novas aut ex loco insecundas, interim consulto omisi.

A. Placogasteres s. placentares, peridiis ex massa mucilaginosa informi sensim coëunte ocissime succrescentibus, ob basin cubilibus instratam veluti dimidiatis hemisphaericisve, sporidiorum catervam inditam nudam s. cellulis interstinctam superinducentibus, amorphis s. indeterminatis, e basi deplanata gibbosis.

(Myxogasteres aethalini Fr. Lycoperdaceae fuligineae Dub. Gastromyci sporomesti diffluentes Nees. Mart. Mucores Schaeff.)

265. DICHOSPORIUM NEES. *Doppelstaeubling.*

Peridium hemisphaericum tenuiter membranaceum floccoso-pulverulentum. Sporidia globosa majuscula conglobata, floccis destituta.

2082. ***D. aggregatum Nees***, peridiis convexis fuscis tegmine floccoso-pulverulento obductis, demum confluentibus inconditis, sporidiis nigris, — *Dichosporium aggregatum Nees syst. 105. f. 99. Spr. syst. IV.*

525. *Fr. syst. III.* 209. *Spumaria physaroides Pers. syn.* 163. *? Reticularia epixylon Bull. fung. t.* 472. *f.* 1. *? Aegerita epixylon DC. gall. II.* 72.

Ad corticem Quercus vetustum, autumno. (*Nees.*) (Vegetabile, tum generis natura et notione, tum loco in systemate, dubium, denuo indagandum comprobandumque, num huc s. potius ad Sporomycetes episporos referatur.)

266. AMPHISPORIUM LK. *Brandstäubling.*

Peridium persistens. Sporidia dimorpha, alia globulosa, alia fusiformia, nuda.

2083. *A. versicolor Lk.*, peridio convexo pallido submucoso, sporidiis concoloribus biformibus farcto. — *Amphisporium versicolor Link obs. II.* 40. *t.* 1. *f.* 6. *Nees syst.* 106. *f.* 100.

Ad Hyacinthi bulbos, sub aqua, hyemis tempore demersos. (*Link.*) (Peridii colore mutabili, primum albo, dein lutescente, denique pallido-cinerascente et aetate flaxa huc omnino spectare videtur, quod quidem mihi cum praecedente dubium.)

267. SPUMARIA PERS. *Schaumstäubling.*

Peridium ineffiguratum simplex adnatum crustaceum flocculoso-cellulare fragilissimum, in alia peridiola plicata s. libera adscendentia bursaeformia proliferum. Sporidia majuscula globosa, centro satura, libera conglobata, floccis destituta.

(*Spumaria Pers. et auct. Reticulariae spec. Bull. Mucilaginis et Fuliginis sp. Hall.*

2084. *Sp. alba DC.*, primordiis fluxis effusis quisquiliis qualescunque siccas vegetasque undique ambientibus, ocius jam peridiorum depressorum s. adscendentium connubium informantibus, sporidiis majusculis nigrofuscis. — *Spumaria alba DC. gall. II.* 261. *Dub. gall. II.* 863. *Fr. syst. III.* 95. *Reticularia alba Bull. fung. t.* 326. *Mucilago alba Bat. fung. t.* 40.

α. crustacea, primordiis fluxis effusis adnatis demum in laminam crustaceam laceram sporidia obliterantem contabescentibus. — *Spumaria alba α. laminosa Fr. l. l. Sp. Mucilago Nees syst. f.* 94. *Grev. cr. t.* 267. *Fuligo Hall. hist. n.* 2134.

β. bursaeformis, primordiis fluxis effusis in peridiola libera difformia stipitata cylindrica obtusa grysea tortuosa s. cornuto-ramosa abeuntibus, peridia distincta fasciculata mentientibus. — *Spumaria alba β. cornuta Fr. l. l. ?Didymium spumarioides Fr. syst. III.* 121. *Spumaria Mucilago Pers. disp. t.* 1. *f.* 1., *syn.* 163. *Wahlenb. succ. II. Sp. cornuta Schum. saell. II.* 195. — *Flor. dan.* t. 1978. *f.* 1.

Terram graminosam, stipites, culmos ramosque vegetos suis locis longe lateque obducit, aestate serena et alibi tempestate minus idonea, eadem cubilia vestitu hyphoideo obtegere semetque praenotare videtur. (Polymorpha, fere daedalea, me auctore, discrimina suis numeris absoluta et ad Didymium spumarioides distinguendum rata, fere reticet.)

268. ENTERIDIUM EHRENB. *Zellenstäubling.*

Peridium membranaceum plicatum. Sporidia in glebulas congesta, fibris in membranulas confluentibus interstincta floccisque destituta.

2085. *E. olivaceum Ehrenb.*, peridio pulvinato hemisphaerico basin hyalinam dein nitidissimam obsidente, sporidiis globosis olivaceis, fibris dilutioribus exceptis foeto iisque translucentibus dilute-fuscescente. — *Enteridium olivaceum Ehrenb. in Link Jahrb. II.* 54. *t.* 1. *f.* 5. *Schltdl. berol. II.* 158.

Ad corticis alnei faciem internam putrescentem agri berol., hyeme. (*Ehrenberg.*) (Cl. *Friesius (syst. III.* 90.) hanc pl. pro Reticulariae olivaceae suae statu imperfectiore et minus feliciter informato habet, quam tamen, etiamsi non rite perspectam, citra *Ehrenbergii* lyncei auctoritatem negligere nolui.)

2[illegible]. RETICULARIA BULL. *Netzstäubling.*

Peridium indeterminatum simplex nudum placentare [illegible]gulariter dehiscens, compagis variae, nunc tenerrimum, [illegible] testaceum, intus floccos parcos ramosos compressos [illegible]. Sporidia globosa fuliginosa.

(*Fuligo et Lycogala Pers. pr. pr. Strongylium, Lig[illegible]ium, Dermodium, Diphtherium auct. nuper. infra l. [illegible]ticularia Bull. excl. tamen aliis spec. et ex emendat. [illegible]. Arcyglium Steud. Trichodendron Alb. et Schw.*)

† *hyalodermatinae, peridio tenero satis ac friabili.*

2[illegible]. *R. maxima Fr.*, peridio tenuissimo tuber[illegible] ex albo purpureo-nigricante basin sterilem effusam [illegible], floccis basi aduatis fasciculatis, sporidiis atro-[illegible]. — *Reticularia maxima Fr. syst. orb. veg.* [illegible]47., *syst. fung. III. 85. Dermodium inquinans Link obs.* [illegible]. (*neglectis forsan floccis in fundo delitescentibus.*)

Ad truncos arborum caesarum, Fagorum potissimum [illegible] mancosae, quas latitudine spithamea nonnisi am[illegible]. (Color lacteus ocius jam in fusco-rubentem et [illegible]-purpurascentem s. atro-purpurascentem invertitur, [illegible] effusa argentea pertenui alienus. Moles [illegible] insignis. Figura varia placentaris. Sporidia [illegible] domum floccos tenellos ramosissimos e fundo [illegible] sed verticem attingentes, relinquentis.)

2[illegible]. *R. atra Fr.*, peridio tenerrimo fragillimo te[illegible] reticulato, floccis e basi assurgentibus divari[illegible]-fruticulosis sporidiisque nubilibus atris. — *Reticu[illegible] atra Fr. syst. III. 86. Lycoperdon fuliginosum So[illegible]. fung. t. 257. Lycogala atrum Alb. et Schw. nisk. t. 3. f. 2.*

Ad ligna et cortices arborum coniferarum, ex qui[illegible] nonnisi ad terram transmigrat, Hercyn., Lusatiae et [illegible] passim. Aestatis tempestate serena pluvia. (Fluxa [illegible], horizontaliter adpressa s. pendula, polymorpha, [illegible], dein cordide flavescens, denique sanguineo-fu[illegible], et tandem, tegmine tenuiter reticulato s. ta-

berculoso fragilissimo fatiscente nigrescens, pulverem inquinantem spargens et floccos atros, e basi latescente tenuatos, verticem attingentes nudos relinquens.)

2088. ***R. umbrina Fr.***, peridio pulvinato tenerrimo laevigato ex argenteo umbrino, floccis cum basi adnatis erectis ramosis sporidiisque umbrinis. — *Reticularia umbrina Fr. syst. III.* 87. *R. fuliginoides Fr. syst. orb. I.* 147. *Dub. gall. II.* 862. *Strongylium fuliginoides Ditm. in Sturm germ. III. t.* 38. *excl. syn. Alb. et Schw. Fuligo laevis Sommerf. F. Lycoperdon Schumach. Trichoderma fuliginoides Pers. syn.* 231. *Lycogola argentea, turbinata et punctata Pers. syn.* 157. *DC. gall. II.* 261. *Grev. cr. t.* 106. *Reticularia Lycoperdon Bull. fung.* 95. *t.* 446. *f.* 4. *Sowerb. fung. t.* 272. *Lycoperdon fuscum Huds. Mucor Lycogalus Bolt. fung. t.* 133. *f.* 2. — *Schaeff. ratisb. t.* 192. *Mich. gen. t.* 95.

Ad truncos vetustos siccos Abietum v. c. Alnorum, Quercuum et Betulae, aestate calida, haud quidem rara. (Species communis at versipellis, primum colore argenteo et nitore sericeo insignis, dein e gryseo in umbrinum s. fusco-rutilum vergens. Flocci e fundo ad verticem tendunt, membranaceo-fibrosi albi, peridium integrum infarcientes diuque persistentes.)

2089. ***R. plumbea Schum.***, peridio tenuissimo laevi cinereo-plumbeo super basin sterilem effusam expanso, floccis fundo adnatis sporidiisque dilute-umbrinis. — *Reticularia plumbea Schum. saell. II.* 193. *Fr. syst. III.* 88. — *Fl. dan. t.* 1976. *f.* 1.

Ad truncos Fagi nuper caesos, Heroyn. inferior. (*Wallr.*) Peridia extus laevia, sporidiis umbrinis foeta, basin effusam hyalinam tenerrimam spargentia eaque indole a praeced. dignoscenda.)

2090. ***R. versicolor Fr.***, peridio depresso tenui laevi e minio fuligineo dein effuso confluente, floccis adnatis submembranaceis reticulatis, sporidiis fuliginosis. — *Reticularia versicolor Fr. syst. III.* 90.

Ad ligna pinea vetusta Hercyn. aliquoties vidi rudimenta, aetatis fluxae tempore, colore miniato saltem insignia cauteque a Lycogalacte epidendro dignoscenda.

2091. *R. muscorum Fr.*, peridiis tenuissimis membranaceis venulosis fragilissimis ex ochraceo exalbentibus, basin tenuem pallentem diaphanam obstipantibus, floccis submembranaceis flavis, sporidiis fusco-nigricantibus. — *Reticularia muscorum Fr. syst. III.* 91. *Lignidium griseo-flavum Link obs. I.* 24. *f.* 37. *Nees syst. f.* 93. *Fuligo muscorum Alb. et Schw. nisk.* 86. *t.* 7. *f.* 1.

Ad quisquilias humi pinetorum projectas et ad bryeta sphagnosa uda Hercyn., passim.

2092. *R. olivacea Fr.*, peridio membranaceo subplicato hyalino, floccis adnatis dendroideis reticulatis, sporidiis viridi-olivaceis. — *Reticularia olivacea Fr. syst. III.* 89.

Ad ligna abietina vallium udarum Hercyn. superior. (*Wallr.*) (Basi substrata egere solent peridia tenera quidem at persistentia et ex sporidiorum colore olivaceo in hoc ordine satis raro, ex hyalino similiter translucentia.)

†† *ostracodermatinae, peridiis cortice testaceo obductis floccosque a pariete inde emittentibus.* (*Diphtherium Ehrenb.*)

2093. *R. flavo-fusca Fr.*, peridio stipato-membranaceo firmo laevi hemisphaerico-pulvinato, primum albo, dein umbrino-flavescente basin sordide-flaventem obsidente, floccis reticulatis clavato-appendiculatis lateralibus sporidiisque dilute gryseo-fuscis — *Reticularia flavo-fusca Fr. syst. III.* 88. *Diphtherium flavo-fuscum Ehrenb. sylv.* 27. *f.* 3. (*cum var. α. flavo-fusca et var. β. cinerea.*) *Schltdl. ber. II.* 158.

Ad caudices arborum, Hippocastani agri berol. v. c. (*Ehrenberg*), Fraxini Thuring. (*Wallr.*) (Nolui cum *Fries* novum genus ex peridii compage magis firmiterque stipata vel ex floccorum indole reticulato-torulosa distinguere, quum quaecunque hujus generis species totidem deflexus subministrare videatur.)

2094. *R. testacea W.*, peridio hemisphaerico amplo, primum (pulposo) albido dein testaceo cartilagineo crasso pallide-umbrino, floccis lateralibus ramoso-tortuosis rigidulis dilute-carneis, sporidiis exiguis terreo-fuscis.

Intra Salices cavas Thuring. prope Heringam aliquoties legi.

270. AETHALIUM LK. *Breystäubling.*

Peridium ineffiguratum insigne, extus strato floccoso-celluloso mox evanescente corticatum, intus cellulosum, cellulis superioribus saepe sterilescentibus, massam gummosam mentientibus, interaneis hyalinis lamellas transversas breves, sporidiis compactis foetas constituentibus, demum fragilissimum.

(*Aethalium Lk. Nees et auct. Reticulariae sp. Bull. Lycoperdi, Mucoris sp. auct. Fuligo Hall. Pers. Mucilago Mich. pr. pr.*)

2095. *Aeth. septicum Fr.*, primordiis fluxis effusis inconditis unctuosis ex albo flaventibus, ocius peridium fragile floccosum pallide-cinnamomeum informantibus, cellulis superioribus desciscentibus plerumque sterilescentibus s. effoetis, interaneis hyalinis gryseis laxis lamellosis, sporidiorum subglobosorum inaequalium (majusculorum duplove minorum) farcimine compacto violaceo-umbrino farctis. — *Aethalium septicum Fr. syst. III.* 93. *Aeth. flavum Grev.* cr. t. 272. *Fuligo varians Sommerf. Reticularia hortensis, lutea, carnosa, cerea Sowerb. fung. t.* 339. *R. septica Withr. Lycoperdon luteum Batsch. Mucor ovatus Schaeff. bavar. t.* 192. *et* 194. *M. Mucilago Scop. M. septicus L. spec.* 1656.

α. cinnamomeum, epigaeum, massa unctuosa in peridia amplissima intus cellulis effoetis cinnamomeis foetisque hyalinis gryseis farcta ocius inversa. — *Aethalium septicum b. cinnamomeum Fr. l. l. Fuligo vaporaria Pers. syn.* 161. *F. hortensis Dub. gall. II.* 863. *Reticularia hortensis Chevaill. Bull. fung. t.* 424. *f.* 2. *DC. gall. II.* 260.

β. violaceum, massa unctuosa basin violaceam spargente. — *Fuligo violacea Pers. syn.* 160.

Ad cortices vaporarios hortorum aliaque rejectamenta putrescentia, aestate uda et tepida. (Sole tacta facile coit massa unctuosa pallens et corpus[illegible] mesenterico-plicata s. turunda[illegible] alienas ac informes jactat.)

2006. *Aeth. flavu*[illegible]diis fluxis pulvinatis ocius peridium [illegible]yalina suffultum informantibus, cellulis [illegible]iscentibus effoetis lacte citrinis s. sulf[illegible] interaneis albo-flavescentibus parcis, spori[illegible] duplo minoribus umbrino-fuscis farctis. — [illegible]*lium septicum a. flavum Fr. syst. III.* 93. *Aeth.* [illegible] *Nees syst. f.* 92. *Fuligo pallida Pers. obs. II.* 3[illegible] *flava Pers. syn.* 161. *cum var. β. pallida F. laevis Pers. l. l. (peridio magis deplanato.) F. candida Pers. l. l. (forma expallens.) F. flavescens Schum. saell. II.* 194. *Mucor ovatus Schaeff. bavar. t.* 192. *pr. pr. Reticularia lutea Bull. fung. t.* 380.

Ad arborum cortices, Populorum, Tiliarum et Fungorum praeprimis, in agro thuring. et Hercyn. inferior. minime rarum. (Quamvis auctores nuperi hoc meram prioris varietatem censeant, differre tamen videtur, primordiis limpidioribus basin spumeam exsiccando arachnoideam hyalinam circumfundentibus, peridio exteriore tenuiore et nudiore, cellulis exterioribus sterilescentibus belle citrinis s. sulfureis, sporidiis aequalibus inter se et duplo, quam in praecedente, minoribus ipsoque denique loco natali, in truncis et cortice semicorrupto.)

2007. *Aeth. rufum W.*, primordiis fluxis conicis ocius peridium hemisphaericum fragile membranaceum rufum, tegmine floccoso albo demum reticulato obductum informantibus, sporidiis fusco-nigris exiguiscompactis conformibus, cellulas concolores obliterantibus. — *Aethalium septicum c. rufum Fr. l. l. Fuligo rufa Pers. syn.* 159.

Ad cortices arborum, nec non inter muscos et folia putredine concreta, passim. (Nec hoc cum Aethalio

septico conjungere mallem, quod peridio distincto hemisphaerico, nucem avellanam s. juglandinam aequante, cortice stipato duriore rufo s. castaneo et sporidiorum minorum farcimine compacto, cellulas obliterante differt.)

B. Angiogasteres s. vasculares, xylophili plerumque, putredinis incuntis s. jamjam penitius subeuntis comites, ex primordiis fluxis mucilaginem unctuosam inconditam s. undique effusam, nonnisi figuratam mentientibus (status primordialis s. primitivus auct., Mesenterica Tod. pr. pr., mihi aetatem fluxam spondens), sub teporis commodi cubiliumque udorum efficacia, entomorphoseos instar, in peridia figurata vascularia, ex integumentis colore, consistentia et durationc variis, simplicibus s. duplicibus, demum sporidiorum farcimine ex pulpa inpalpabili coacta, simili modo subeunte floccorumque apparatui vario inhaerente facta, stipitata s. sessilia succrescentes, vel varius tantum et morphoseos legibus consentientibus a figura rata descisccntes velutique morphosin placentarem s. deflexum dimidiato-adnatum mentientes et subsidentes.

(Myxogasteres physarei, stemonitei et trichiacei Fr. syst. Lycoperdaceae trichiaceae Dub. Gasteromycetes dermato-et trichogasteres Sp. syst. Trichocisti Mart.)

271. LICEA LK. *Nacktstäubling.*

Peridium varium (subcylindricum assurgens s. dimidiatum depressum) tenue membranaceum laeve irregulariter dehiscens s. circumscissum. Sporidia laxe congesta libera nullisque plane s. parcis floccis excepta.

(Licea Schrad. emend. Tubulinae, Licçae et Dermodii spec. auct. Perichaena Fr. Phelonitis Chevaill.)

† *hemisphaericae, peridio subhemisphaerico sessili, demum saepius obsolete circumscisso, intus parce floccoso. (Perichaena Fr., quae vix nisi dehiscendi modo, in aliis quoque generibus ludicro et floccorum aberratione fallaci differre videtur.)*

2098. *L. minima Fr.*, peridiis hemisphaericis apice dehiscentibus atris punctiformibus gregariis, sporidiis rubiginosis. — *Licea minima Fr. syst. III.* 199.

Ad ligna putrida asserum pineorum passim. (Sphaeriam minorem mentiri solet.)

2099. *L. suberea Fr.*, peridiis punctiformibus sparsis atris superne depressis, margine prominente dehiscente circumscissis, sporidiis sulfureis. — *Licea suberea Fr. syst. III.* 198. *Phelonitis suberea Chevaill. par. t. 9. f.* 21.

Ad suber fabricatum locis humidis passim redit in agro aorthus. (Cylichnio meo similis, morphosi fluxa tamen diversa satisque singularis margine, Patellariae instar prominente, circumscisso.)

2100. *L. strobilina Alb. et Schw.*, peridiis hemisphaericis s. oblongo-subrotundis aggregatis rufo-fuscis demum circumscissis, sporidiis sordide-flavicantibus expallentibus majusculis liberis farctis. — *Perichaena strobilina Fr. syst. III.* 190. *Grev. cr. t.* 275. *Licea strobilina Alb. et Schw. nisk.* 109. *t.* 6. *f.* 5. *DC. gall. VI.* 100. *Dub. gall. II.* 861. *Ditmar in Sturm germ. III. t.* 20. *Nees syst. f.* 101.

Ad faciem interiorem squamarum Pini Abietis et Piceae, Lusatiae v. c. (*Albertini et Schweinitz*), Hercyn. (*Wallr.*) et alibi passim, strobilos nidulando divaricatos mire mutans.

2101. *L. abietina W.*, peridiis obovato-globosis badio-nigris subcircumscissis, floccis sporidiisque flavis. — *Perichaena abietina Fr. symb.* 11., *syst. III.* 191. *Licea circumscissa β. abietina Alb. et Schw. l. l. Trichia fusco-atra Sibth.*

Ad cortices Abietum putrium, autumno passim in similibus cum priore locis. (Praecedente major, saturatior, minus adpressa, laevis omnino et fusco-nigricans.)

2102. *L. circumscissa Pers.*, peridiis aggregatis globoso-depressis luteo-fuscis nitidis demum regulariter circumscissis, floccis sporidiisque luteis. — *Licea circum-*

scissa Pers. syn. 196. *Dub. gall. II.* 861. *var. a. populina Alb. et Schw. nisk.* 108. *Perichaena populina Fr. syst. III.* 191. *Grev. cr. t.* 252. *Trichia circumscissa Schrad. T. gymnosperma Pers. obs. I.* 63. *t.* 6. *f.* 1. 2. *Sphaerocarpus sessilis Bull. t.* 417. *f.* 5. *Sowerb. t.* 258. *nec Ehrh. et Mich. Lycoperdon corticale Batsch. elench. I.* 155.

Ad corticem emortuum Populorum, Thuring. v. c. vulgaris, Auctumno.

2103. *L. quercina W.*, peridiis globosis luteis sublaceris, floccis sporidiisque flavis. — *Perichaena quercina Fr. syst. III.* 192. *? Physarum luteo-album Schum. saell. II.* 199.

Ad truncos quercinos (Hercyn. infer.) passim.

2104. *L. sulfurea W.*, peridiis sphaericis exiguis sparsis nitidulis nigro-fuscis teneris fragilissimis, demum lacero-dehiscentibus, sporidiis ovatis exiguis pellucidis floccisque parcis pallide-sulfureis.

Ad caules Georginae putres in sterquilinia hortorum projectos, pr. Northusam passim. (*Wallr.*) (A reliquis differt peridiis sparsis nigro-fuscis et a L. strobilina, sporidiis duplo minoribus pellucidis, quae in illa opaca, sphaerica maxima sunt.)

2105. *L. pannorum W.*, peridiis hemisphaericis sparsis convexiusculis opacis rugulosis fusco-castaneis fragilibus, dein irregulariter a vertice inde dehiscentibus, sporidiis globosis majusculis pellucidis pallide sulfureis s. dilute citrinis libere-conglobatis.

Ad pannorum fragmenta in locis udis inter vegetabilia putrescentia recondita, circa Northusam. (*Wallr.*) (Vilis omnino ac oculis retracta, vix nisi sporidiorum colore citrino semet prodere solet.)

2106. *L. alutacea W.*, peridiis ovato-subrotundis sparsis e basi aduata deplanata convexis nitidis tenerrimis subtilissime-alutaceis fusco-olivaceis lacero-dehiscentibus, sporidiis liberis cinereo-olivaceis. — *Aethalium minimum Wallr. in lit.*

Ad asseres abietinos semiputres in consortio Dacry-
mycis et Patellariae sabuletorum xylophilae, Thurin
passim. (Ocellis retracta at distincta, peridio subtiliss
me alutaceo et sporidiorum colore.)

2107. *L. rugulosa W.*, peridiis adnato-hemisphae-
ricis lenticularibus umbonatis sparsis tenerrimis opacis
ruguloso-colliculosis dilute brunneis irregulariter dehi-
scentibus, sporidiis conglobatis umbrinis floccis brevibus
tortuosis tenerrimis intermixtis.

Ad corticem Tiliarum in locis udis humi jacentem agri
northusae, hyeme, semel. (Peridia raro integra omnino
deprehenduntur et veluti ex areolis subrotundis vertice
umbonatis, ambitu depresso-valleculosis composita, fa-
ciem colliculoso-rugulosam praestant.)

2108. *L. congesta W.*, peridiis subglobosis aggre-
gatis subangulatis olivaceo-flaventibus irregulariter lace-
ris, sporidiis carneis. — *Perichaena congesta Fr. syst.*
III. 192. *Physarum congestum Sommerf. lapp.* 241. *Ly-*
coperdon pineum Batsch elench. 155.

Ad ligna pinea putria Hercyn. passim.

2109. *L. incarnata A. et Schw.*, peridiis variis
ralibus nonnisi productioribus subconfluentibus nitenti-
us carneo-chalybeis, sporidiis ex albo-incarnatis. — *Pe-*
chaena incarnata Fr. syst. III. 193. *Licea incarnata*
A. et Schw. nisk. 109. *t.* 10. *f.* 6.

Ad lignum abietinum putre, Lusatiae v. c. (*Albertini*
Schw.), Hercyn., passim. Auctumno.

†† *serpentes*, *peridiis basi depressis serpendo*
gatis, figuram linearem mentientibus. (*Liceae ser-*
riae Fr.)

2110. *L. contorta W.*, peridiis elongatis flexuosis
cylindricis sparsis dilutius saturatiusve umbrinis te-
nis lacero-dehiscentibus, sporidiis aureo-luteis. — *Pe-*
na contorta Fr. syst. III. 192. *Lycogala contortum*
w in Sturm germ. III. t. 5. *Grev. cr. t.* 206.

Ad ligna putrida pinea, nec non intra rimas Pyri Mali domesticae abstrusa, passim. (A Liceae circumscissae lusibus serpentibus caute dignoscenda.)

2111. *L. serpula Fr.*, peridiis sparsis depressis hemicylindricis, e figura subrotunda elongatave variis spadiceo-nigricantibus, sporidiis olivaceo-fuscis. — *Licea serpula Fr. syst.* 197. *L. serpula v. spadicea Fr. symb.* 12.

Ad asseres truncosque semiputres passim. (A Licea alutacea peridio saturatiore laevi nisuque semet producendi diversa.)

2112. *L. flexuosa Pers.*, peridiis sparsis subflexuosis hemicylindricis linearibus, nonnisi hinc crenatis nitidis spadiceis, sporidiis concoloribus. — *Licea flexuosa Pers. syn.* 197. *Fr. syst. III.* 197.

Ad truncos pineos Hercyn. rarissima, (*Persoon*), quamvis vix nisi nitore a praecedente diversa esse videatur.

2113. *L. variabilis Schrad.*, peridiis sparsis depressis, e figura subrotunda oblongaque variis rufescentifuscis, sporidiis sordide-flavicantibus. — *Licea variabilis Schrad. gener. I.* 18. *t.* 6. *f.* 5. *Pers. syn. et Fries l. l.*

Ad truncos Abietum cortice orbatarum Hercyn. passim. (*Schraderus* peridium duplex laudat, quod mihi latet.)

††† *cylindricae, peridiis elongato-cylindricis assurgentibus stipato-connatis basi substratae innixis, confertissimis, stroma veluti tubuliferum s. multicapsulare mentientibus.* (*Liceae tubulinae Fr. L. tubulosae Dub. Tubulina Pers. disp. Tubulifera Müll. et alior. Dermodii, Stemonitidis et Reticulariae sp. auct.*)

2114. *L. cylindrica Fr.*, primordiis fluxis distinctis albis dein incarnato-rubentibus denique umbrinis, in peridia linearia tenuia recta subconico-cylindrica basi substratae albidae coactae fibrosae innixa succrescentibus, sporidiis terreo-ferrugineis. — *Licea cylindrica Fr. syst. III.* 195. *Dub. gall. II.* 862. *L. Tubulina Schrad. Dermodium fallax Nees syst. f.* 103. *Tubulina fallax et*

fragiformis Pers. syn. 198. *pr. pr. T. cylindrica DC. gall. II.* 2019. *Reticularia multicapsula Sowerb. t.* 199. *Sphaerocarpus cylindricus Bull. champ. t.* 470. *f.* 3. *Stemonitis ferruginosa Batsch elench. f.* 175

Ad truncos abietinos et populinos putridos passim.

2115. *L. fragiformis Nees*, primordiis confluentibus effusis spumosis lacteis ocius jam incarnatis demum umbrinis, in peridia linearia cylindrica curvata connata basi attenuata strato albo tenui innixa succrescentibus, sporidiis umbrinis. — *Licea fragiformis Nees syst. f.* 102. *Fr. syst. III.* 196. *Grev. cr. t.* 308. *Tubulina fragiformis β. clavata Pers. obs. II.* 30. *Licea clavata Schrad. nov. gen.* 18. *Tubulina fragiformis DC. gall. II.* 250. *Tubulifera fragiformis Gmel. Sphaerocarpus fragiformis Bull. champ. t.* 384.

Ad ligna et ramulos, ipsos muscos longe lateque saepe occupans, Hercyn. v. c. rarius. (Prima incunabula fluxa utriusque spec. differentias jam praemonent; illius ad caespites distinctos, primum plano-convexos stratoque rigescendo contracto hemisphaericos congregantur, hujus spumam longe profusam, ocissime gliscentem edunt et in peridia similia succrescunt. Hinc quoque synonyma aegre distribuuntur nec certo liquet, cui *Tubulifera coccinea Roth cat. I.* 243. *T. arachnoidea Jacq. misc. ipsaque T. Ceratum fl. dan. t.* 659. *f.* 2. subscribantur numque sequens ab illis reapse differat.)

2116. *L. effusa Ehrenb.*, primordiis fluxis incarnatis dein arescendo basinque pallidam dein sordidam fibrosam substernendo in peridia cylindrica angusta tenuissima arcte conglutinata pulvinata apice obtuso prominula olivaceo-umbrina succrescentibus, sporidiis globosis concoloribus. — *Licea umbrina Ehrenb. sylv.* 14. *et* 26. *f.* 1. *Schltdl. berol. II.* 157.

Ad truncos putres agri berol. (*Ehrenberg.*) (*Fries* ius ad L. cylindricam refert, quae inter utramque forsan ambigit et coloris ratione ad praecedentem magis accedit.)

272. LEOCARPUS LK. *Schalenhäutling.*

Peridium difforme deplanatum simplex testaceum fragile irregulariter rumpens basinque circumscissam impressam demum relinquens. Flocci parci breves, trabecularum instar assurgentes. Columella nulla. Sporidia globosa majuscula opaca.
(Didermatis sp. Fr. Licea Willd.)

2117. *L. calcareus Lk.*, peridiis sessilibus inter figuram ovatam oblongamque curvatam variis, e basi depressa convexiusculis, humectis hyalinis glaucescentibus, siccis opacis testaceis candidis fragilissimis, demum irregulariter rumpentibus basinque impressam fuscam relinquentibus, sporidiis compactis atris floccos parcos obstruentibus. — *Leocarpus calcareus Link obs. I.* 23. *Diderma liceoides Fr. syst. III.* 107.

Ad quisquilias hortenses quascunque in rejectamentis putrescentes, inter asparagorum, fabarum et pisorum strues herbaceas, aestate pluvia in agro thuring. minime rarus. (Equidem neque apud *Friesium* speciem Linkianam, neque in hac peridii duplicis vestigia video ideoque denuo distinguo.)

273. PHYSARUM PERS. *Blasenstaubling.*

Peridium simplex membranaceum tenerrimum nudum glaberrimum irregulariter dehiscens. Columella nulla. Sporidia laxa, floccis peridio adnatis intertexta.

(Physarum Pers. et auct. ex emend. Fr. Trichiae, Lycogalactis, Liceae, Sphaerocarpi et Reticulariae sp. auct. (Cum *Friesio* praeunte Physara saluto, peridio simplici, tenerrimo, neque tegmine externo crustaceo (ut in Didermate), neque furfure scobiformi (ut in Didymio) instructa.)

† *adnata, peridiis subeffusis variisve, basi applanata adnatis, facillime confluentibus.*

2118. *Ph. atrum Fr.*, peridiis tenerrimis rotundatis stipato-aggregatis confluentibus atris, floccis nullis,

sporidiis atris. — *Physarum atrum Fr. syst. III.* 147. *Lycogala atra Pers. in lit. nec. Alb. et Schw.*

Ad truncos vetustos Vogesorum (*Mougeot*), nec tamen etiam aliis regionibus v. c. Hercyniae deficere videtur. (Peridia conferta, demum polymorpha, in crustam contiguam fere confluentia, angustissima, nec floccis conspicuis saltem instructa.)

2119. *Ph. album Fr.*, peridiis tenerrimis subrotundo-depressis laevibus albidis, floccis raris tenellis sporidiisque nigris laxis. — *Physarum album Fr. syst. III.* 147. *Lycogala minuta Grev. cr. t.* 40. *Licea alba Nees in Kunze myc. Hft. II.* 66.

Ad quisquilias vegetabiles humi jacentes passim.

2120. *Ph. nigrum Fr.*, peridiis tenerrimis subrotundis nigris, facile difformibus inaequalibus, floccis tenellis copiosis implexis sporidiisque atris. — *Fr. syst. III.* 146. *Strongylium minus Fr. symb.* 7.

Ad ligna pinea Hercyn. superior. (Caute a Physaro atro floccis satis bene perspicuis distinguendum.)

2121. *Ph. confluens Pers.*, peridiis rigidulis depresso convexis difformibus confluentibus laevibus cinereo-albis, floccis fasciculatis, parastadem dendroideam mentientibus sporidiisque compactis, fuscescentibus. — *Physarum confluens Pers. syn.* 169. *Fr. syst. III.* 146. *Alb. et Schw. nisk.* 91.

Ad ligna et cortices putrescentes (*Persoon*), ad muscos (*Albertini et Schweiniz*) passim at oculis detractum. (Figura perquam varia, a punctiformi ad linearem, saepius satis diversimode exarata, hincque Reticulariis affine, et floccorum apparatu peculiari quadantenus desciscens.)

2122. *Ph. sinuosum Fr.*, peridiis compressis elongato-flexuosis venulosis albido-cinereis in rimam ad latera s. mediotenus dehiscentibus bivalvibusve, floccis capillaribus albis reticulatis, sporidiis atro-fuscis. — *An-*

gioridium sinuosum Grev. cr. t. 310. Physarum sinuosum Fr. syst. III. 145. Ph. bivalve Pers. obs. I. 6. t. I. f. 2., syn. 169. Dub. gall. II. 861. Reticularia sinuosa Bull. champ. t. 416. f. 2. Sowerb. fung. t. 6. DC. gall. II. 259.

Ad folia, stipulas muscosque putredine coactos passim, rarius ipsos vegetos infestat. (Moles varia, 4-5 lineas longa, 1-2 alta, saepius vero minor. Flocci parietibus adnati, pertenues. Rima centralis s. lateralis; margines varii.)

†† *sessilia, peridiis sessilibus e figura rotundata globosis, magis saepius concinne figuratis, tornatis, aggregatis, e primordiis fluxis mesentericis emergentibus.*

2123. *Ph. Licea Fr.*, peridiis sessilibus rotundato-hemisphaericis gregariis nitidis castaneis, floccis nullis, sporidiis majusculis fusco-atris. — *Physarum Licea Fr. syst. III. 143. Licea pusilla Schrad nov. gen. 19. t. 6. f. 4. Pers. syn. 196. Alb. et Schw. nisk. 108.*

Ad ligna putrida, pinea et alnea, auctumno ad veris finem passim. (Invitus cum *Friesio* a Licea distinguo, cum quo genere praeter primordia mesenterica et habitum physaroideum exacte congruit.)

2124. *Ph. conglobatum Ditm.*, peridiis sessilibus globosis gregariis gryseis, floccis sporidiisque fuliginosis. — *Physarum conglobatum Ditmar in Sturm germ. III. t. 140. Fr. syst. III. 142. Lycoperdon Alni Bjerkander.*

Ad frustula ligni faginei serra recisi agri rostoch. (*Ditmar*), nec non ad cortices Populorum et Alnorum humi jacentes Thuring. (*Wallr.*) (Caute a Didymio cinereo peridii fabrica et floccis dignoscendum.)

2125. *Ph. virescens Ditm.*, peridiis sessilibus globosis verruculosis gregariis flavo-virescentibus, sporidiis fuliginosis. — *Physarum virescens Ditmar l. l. t. 61. Fr. syst. III. 142.*

Ad lignum fagineum putre agri rostoch. (*Ditmar.*)

2126. *Ph. thejoteum Fr.*, peridiis minimis confertissimis ovato-globosis squamulosis flavis, floccis concoloribus, sporidiis purpureo-fuscis. — *Physarum thejoteum Fr. symb.* 21., *syst. III.* 142.

Ad folia Fagi putredine incunte conglobata Hercyn. *(W.)*

††† *botryosa, peridiis subsessilibus s. stipite e basi substrata fluxa assurgente flaccido suffultis, tenerrimis, intus floccis undique adnatis instructis.*

2127. *Ph. utriculare Fr.*, peridiis ovato-oblongis inflatis tenerrimis majusculis subsessilibus s. stipite flacco flavente brevissimo suffultis foveolatis, foetis chalybeis, effoetis utriculosis albis, floccis concoloribus, sporidiis nigris. — *Physarum utriculare Fr. syst. III.* 139. *Ph. hyalinum β. chalybaeum Alb. et Schw. nisk.* 92. *Ph. botrytes Sommerf. lapp.* 242. *Ph. ovoideum Schum. Physarum hyalinum Dub. gall. II.* 860. *Trichia utricularis DC. gall. II.* 251. *Spaerocarpus utricularis Bull. champ.* 120. *t.* 417. *f. I.* (teste *Friesio.*)

Ad cortices arborum, Fagorum praesertim putres Lichenesque innatos platyphyllinos, Parmeliam parietinam v. c., Thuring. *(Wallr.)* Singularis species, peridio sessili distincteve stipitato, majusculo, semina Cannabeos minora aequante, superficie alutacea demum effoeto diutius persistente, utriculoso insiguis.)

2128. *Ph. cancellatum W.*, peridiis globosis majusculis membranaceis albis dein cancellato-corrugatis fragilibus, stipitibus (spuriis) primum fluxis mucilaginosis flaventibus brevibus basi implexis, floccis teneris eburneis albis parcis, sporidiis nigro-fuscis.

In similibus cum priore locis, a quo haud dissimili, peridiis majoribus, firmius membranaceis, tenacellis quasi, rugis cancellatis exaratis dignoscitur.

2129. *Ph. hyalinum Pers.*, peridiis globosis inflatis tenerrimis albidis parvis, stipitibus fasciculáribus flaccidis flexuosis adscendentibus rufescentibus, floccis albis, sporidiis atris. — *Physarum hyalinum Pers. disp.*

8. *t.* 2. *f.* 4., *syn.* 170. *Schum. saell. II.* 204. *Fr. syst. III.* 130. *Ph. globuliferum auct.*

Ad truncos vetustos rarius. (Praecedenti simillimum et vix nisi stipitibus fasciculatis, e basi substrata adscendentibus peridiisque globosis minoribus diversum.)

†††† *stipitata, peridiis stipite discreto suffultis, basi plano-umbilicatis, globosis s. turbinatis, floccos fundo adnatos foventibus.*

* *peridiis obovatis turbinatisve.*

2130. *Ph. fimetarium Schum.*, peridiis obovatis purpurascenti-umbrinis, stipite brevi subflexuoso, floccis e basi assurgentibus sporidiisque fuscis. — *Physarum fimetarium Schum. saell. II.* 205. *Fr. syst. III.* 138.

Ad fimum vaccinum Thuring. aliquoties legi.

2131. *Ph. connatum Schum.*, peridiis pyriformibus rubro-badiis, stipitibus ferrugineo-fuscis e basi substrata saepius fasciculatim assurgentibus, floccis compactis sporidiisque badiis. — *Physarum connatum Schum. saell. II.* 202. *Fr. syst. III.* 138. *Flor. dan. t.* 1310.

Ad truncos putridos Fagi, Hercyn. inferior. (*Wallr.*) (Peridia primum subsessilia, dein stipite sensim succrescente in basin producuntur.)

2132. *Ph. rubiginosum Chev.*, peridiis globoso-turbinatis stipitibusque tenuibus laevibus rubiginosis, floccis reticulatis albis, sporidiis atris. — *Physarum rubiginosum Chevaill. par. II.* 338. *Fr. syst. III.* 137.

Ad Fraxinorum caudices muscosos Thuring. rarius. (*Wallr.*) (Peridia mediotenus dehiscunt faciemque Craterii fingunt.)

2133. *Ph. muscicola Pers.*, peridiis turbinatis cinereis, stipitibus brevibus laevibus lutescentibus, floccis albis, sporidiis atris. — *Physarum muscicola Pers. syn.* 171. *Alb. et Schw. nisk.* 93. *Fr. syst. III.* 137.

Ad muscos pinetorum hercynic. passim. Auctumno.

(A Physaro mutante distinguendum praecipit *Persoonius*, peridio obovato in formam cylindricam proclivi et sporidiis compactis alienum.)

** *peridiis sphaericis subtus non umbilicatis.*

2134. *Ph. columbinum Pers.*, peridiis globosis, primum flaventibus, dein violaceo-chalybeis nitidis rugulosis majusculis, stipite aequali nigro, sporidiis atro-purpureis. — *Physarum columbinum Pers. obs. I.* 5., *syn.* 113. *Fr. syst. III.* 136. *Mucor violaceus Leers herb.* 287.

Ad truncos putridos agri herborn. (*Leers*), Hercyn. inferior. (*Persoon*, *Wallr.*), Saxoniae (*Ludwig*), Lusatiae (*Albertini et Schweiniz*), vere utrobique rarius. (Variat peridiis e figura globosa obovatis, ad stramina tectorum uda.)

2135. *Ph. flavum Fr.*, peridiis sphaericis rugoso-verrucosis luteis, stipitibus brevibus subaequalibus rugosis pallidioribus, floccis erectis eburneis, sporidiis nigro-fuliginosis. — *Physarum flavum Fr. symb.* 22., *syst. III.* 135.

Ad sarmenta et stipites, Roborum v. c., Filicum alinsque herbaceas quisquilias Hercyn.

2136. *Ph. sulfureum Alb. et Schw.*, peridiis sphaericis rugoso-squamulosis sulfureis, stipitibus laevibus brevibus conicis albis, floccis flavis, sporidiis fusco-nigris. — *Physarum sulphureum Alb. et Schw. nisk.* 93. *t.* 6. *f.* 1. *Fr. syst. III.* 134.

Ad folia sicca humi jacentia, Lusatiae (*Albertini et Schweiniz.*) (Peridii superficies squamulosa Didymium quidem praenotat, quod columella deficiente melius sub Physaro militat.)

2137. *Ph. bullatum Ditm.*, peridiis sphaericis verruculosis albido-virescentibus, stipite conico-subulato curto ? inflato pallidiore, sporidiis fusco-atris. — *Physarum bullatum Ditmar in Sturm. germ. III. t.* 22. *Link obs. I.* 25. *Fr. syst. III.* 134.

Ad ligna faginea putrida agri rostoch. (*Ditmar.*)

2138. *Ph. psittacinum Ditm.*, peridiis sphaericis verruculosis virescentibus, stipite subulato gracili aurantiaco, floccis sporidiisque fusco-atris. — *Physarum psittacinum Ditmar l. l. t. 52. Fr. syst. l. l.*

In foliis putridis Fagorum agri rostoch. (*Ditmar.*) (Praecedenti simillimum, vix nisi stipitum magis, nonnisi longius productorum et floccorum rite explicatorum ratione distinguendum.)

2139. *Ph. subulatum Schum.*, peridiis sphaericis atro-fuscis caesiis subcernuis, stipite subulato fuscescenti-flavo, floccis sporidiisque fusco-atris. — *Physarum subulatum Schum. saell. II. 201. Fr. syst. III. 133. ?Ph. purpurascens Link obs. II. 42. Ph. globosum Sommerf. lapp. 243. nec Fr.*

Ad truncos putredine exesos Hercyn. inferioris. (Vix nisi peridio exacte sphaerico, demum primum cernuo a Ph. nutante diversum.)

2140. *Ph. gracilentum Fr.*, peridiis sphaericis nutantibus nigro-fuscis expallentibus, stipite capillari flaccido fuscescente, floccis albis, sporidiis nigricantibus. — *Physarum gracilentum Fr. syst. III. 133. Trichia mutans Trentep. Mucor Flor. dan. t. 465. f. 3.*

Ad Hypna semiputrida passim. (Stipitibus gracilescentibus Stemonitem prope aemulatur.)

2141. *Ph. leucophaeum Fr.*, peridiis globosis subdepressis erectis cinereo-caesiis, stipite brevi rugoso subsulcato albo, sporidiis nigro-fuliginosis. — *Physarum leucophaeum Fr. syst. III. 132. Trichia filamentosa Trentep. ?Physarum confluens et connexum Link obs. II. 42.*

Ad truncos muscosos Fagorum praeprimis Hercyn. inferior. passim. (A reliquis stipite obsoleto, e basi substrata quasi assurgente, rudi, sporidiis conglobatis semetque facile a peridio solvendis et ex illo propexis, columella destitutis, quadantenus aberrat. *Physarum solutum Schum.*, peridio sphaerico subbivalvi stipiteque elongato caesio, ad quod *Fries l. l. Ph. elongatum Lk.*, dubie laudat, miki dubium.)

**** peridiis lentiformibus, basi plana umbilicatis.*

2142. *Ph. alatum Fr.*, peridiis lenticularibus gregariis albicantibus subtus excavatis, stipite sulcato-alato viridi-flavo, sporidiis fusco-rubentibus. — *Physarum alatum Fr. syst. III.* 132. *Trichia alata Trentep.*

Ad truncos agri mecklenburg. (*Trentepohl.*)

2143. *Ph. sulcatum Lk.*, peridiis hemisphaericis subtus umbilicatis erectis gryseis, stipite attenuato sulcato albido, floccis sporidiisque fusco-atris similiterque translucentibus. — *Physarum sulcatum Link obs. I.* 27. *?Ph. bulbiforme Schum saell. II.* 200. *Flor. dan. t.* 1974. *f.* 3. *Fr. syst. III.* 131.

Ad ligna faginea putrida. (*Link.*)

2144. *Ph. striatum Fr.*, peridiis globosis depressis punctulatis subtus umbilicatis cinereo-albicantibus, stipite brevi striato fusco deorsum incrassato, floccis sporidiisque fusco-nigris. — *Fr. syst. III.* 131. *Ph. aurantiacum Pers. syn.* 173. *t.* 3. *f.* 7-11. *Trichia aurantia DC. gall. II.* 253. *Sphaerocarpus aurantius Bull. champ.* 173. *t.* 484. *f.* 2.

Ad corticem Betularum rarius. (Physaro nutanti simile satis, statura robustiore, firmiore, stipite striato breviore ventricoso fusco nec cernuo, peridio punctulato ejusque colore diversum.)

2145. *Ph. Pini Schum.*, peridiis hemisphaericis subtus umbilicatis erectiusculis majusculis gregariis squamoso-diffractis cinereo-caesiis, stipite elongato attenuato laevi nigro-fusco, floccis sporidiisque compactis nigricantibus. — *Physarum Pini Schum. saell. II.* 203. *Fr. syst. III.* 131. *Phys. nutans auct.*

Ad truncos abietinos putrescentes Hercyn. superior. passim, auctumno. (Physaro nutanti simile quidem, illo tamen majus et robustius magisque sociale. Primordia fluxa lutescentia, fere Mesentericae luteae *Todei*, dein effusa, in peridiorum sylvulam gregarie succrescentia diuque persistentia.)

2146. *Ph. compressum Alb. et Schw.*, peridiis lentiformibus subtus umbilicatis, dein obverse parabolicis bivalvibus subcernuis cinereis s.(ex sporidiis translucentibus) fusco-atris, stipite gracili laevi incurvo pallido dein fusco, floccis sporidiisque fuligineis. — *Physarum compressum Alb. et Schw. nisk.* 97. *Link obs. II.* 42. *Ph. cernuum Schum. saell. II.* 211. *Fr. syst. III.* 130. *Flor. dan. t.* 1974. *f.* 2.

Inter quisquilias herbaceas putrescentes Lusatiae (*Albertini et Schweiniz*), Thuring. infer. (*Wallr.*) passim. (Synonyma ex descriptionum fide junxi.)

2147. *Ph. albipes Lk.*, peridiis subglobosis subtus planiusculis verruculosis gryseis subcernuis, stipite attenuato laevi albido, nonnisi obsoleto, floccis fuscis, sporidiis nigro-fuliginosis. — *Physarum albipes Link obs. I.* 27. *Fr. syst. III.* 130. *Physarum connatum Ditmar in Sturm germ. III.* 41. *nec Schum.*

Ad rhizomata herbarum elatiorum ipsarumque Filicum agri rostoch. (*Ditmar*) et alibi.

2148. *Ph. aureum Pers.*, peridiis globosis cernuis basi parce depressis, primum laevibus flavis, dein squamuloso-furfuraceis belle deauratis, stipite concolore sursum tenuato striato, floccis tenerrimis penicillatis chalybeis, sporidiis atro-fuscis. — *Physarum nutans γ. aureum Fr. syst. III.* 129. *Ph. aureum Pers. disp. t. 1. f. 6., syn.* 173. *Alb. et Schw. nisk.* 94. *Ditmar l. c. t.* 23. (*peridia nimis aurantia.*) *Grev. cr. t.* 124.

Ad truncos putredine exesos Hercyn. inferior. et Thuring. rarius. (*Friesius* cum sequente jungit; vix vero talem coloris mutationem ex cinereo in aureum persequi potui, quod praeter hunc stipite striato et floccis chalybeis differt.)

2149. *Ph. nutans Pers.*, peridiis lenticularibus subtus umbilicatis laevibus, demum subsquamulosis cernuis, stipite subulato albido-fuscescente, floccis e basi assurgentibus tenerrimis albidis, sporidiis fuligineo-nigris. — *Physarum nutans Fr. syst. III.* 128. *excl. var. γ.*

...ps. 112. Alb. et Schw. nisc. 94. Ditmar l. l. t. ...ex syst. f. 108. Trichia viridis DC. gall. II. 253. ...ensarpus viridis Bull. champ. t. 481. f. 1.

...ligna putredine exesa, var. α. haud quidem rara, ...ne. (Friesio observante color peridii cinereus ...in pallide-luteum, coccineum (var. β. coccinea Fr. ...flavo-viridem et viridem ipsumque aureum, totidem-...r. subministrat. Stipites sursum sensim tenuantur ...que pondere demum nutare incipiunt. Flocci diu ...ntes stupam implexam referunt.)

...CRATERIUM TRENTEP. *Becherstäubling.*

...idium simplex papyraceum rigidum figuratum, oper-...ngis minusve distincto primum clausum illoque ...cyathiforme persistens. Columella nulla. Flocci ...ngusti (albi) sporidia elevantes.

...terium Trentep. in Roth cat. II. 224. Lk. Nees ...ust. Arcyrine sp. Pers. Stemonitis sp. Schrank.)

...cissilia, peridiorum vertice tenuissimo sensim ...nte basinque reclusam relinquente.

...10. Cr. mutabile Fr., peridiis subrotundo-tur-...s crustis vertice laceris aureis, basi stipiteque brevi

nuissimo caduco basinque cyathodem recludente, stipite striato badio, floccis albis, sporidiis atris. — *Craterium leucocephalum Ditmar in Sturm germ. III. t. 11. Grev. cr. t. 65. Fr. syst. III. 153. Cr. vulgare Chev. paris. 340. nec Ditm. et excl. icone. Physarum pedunculatum Schum. saell. II. 206. Arcyria leucocephala Hoffm. germ. III. t. 6. f. 1. Pers. syn. 183. Stemonitis leucocephala Gmel. Trichia cinerea Trentep. l. l. 227. Flor. dan. t. 1314. f. 2. Stemonitis cyathiformis Schrank. Peziza convexalis Batsch elench. 121. Pers. myc. I. 286. — Mich. gen. t. 86. f. 14.*

Ad folia dejecta Filicumque frondes putres Hercyn. et Thuring. passim.

2152. **Cr. *xanthopus* W.**, peridio turbinato candido farinoso, vertice convexo in glebulas concolores crebras concolores frustulatim inspersas dein resoluto, stipitibus sparsis erectis striatis flavo-fuscis, floccis albis, sporidiis castaneo-fuscis. — *Physarum xanthopus Wallr. in lit.*

Ad ligna putrida sepimentorum relictorum Thuringiae semel. (Praecedentem sp. habitu aemulatur, peridii colore tamen et arenulis veluti vertici inspersis diversa.)

†† ***circumscissa*, *peridiorum vertice dein circumscisso recluso.***

2153. **Cr. *minutum* Fr.**, peridiis pyriformibus erectis lutescentibus, operculo convexo concolore, stipite brevi laevi rufescente, sporidiis atris. — *Craterium minutum Fr. syst. III. 151. Arcyria leucocephala Alb. et Schw. nisk. 100. et alior. Trichia turbinata DC. gall. II. 252. Dub. gall. II. 859. Tr. minuta Relh. Nidularia minuta Wither. Cyathus minutus Hoffm. Sowerb. fung. t. 239. fig. superior. Peziza minuta Leers herb. 281.*

Ad muscos et lichenastra aliasque herbarum quasvis ad strues rejectas rarius, v. c. agri herborn. (*Leers*). Thuring. (*Wallr.*)

2154. **Cr. *nutans* Fr.**, peridiis pyriformibus incli-

reticulatis albis, sporidiis atris. — *Didymium cinereum Fr. syst.* 126. *Physarum cinereum Pers. syn.* 170. *Alb. et Schw. nisk.* 72. excl. *var. γ. Nees syst. f.* 107. *Trichia coerulea Trentep. Lycoperdon cinereum Batsch elench. cont. I.* 249. *f.* 169. *L. complanatum Batsch l. l. f.* 170. (*lusus peridiis diffuso-applanatis.*)

Ad ligna corticesque putres passim. (Ab hoc *Linkius Physarum griseum*, peridiis gryseis, saepius confluentibus, sporidiis non conglomeratis, (*obs. I.* 27.) distinguere praecipit Physaroque cinereo sporidia in acervulos globosos conglomerata adscribit.)

2175. *D. physaroides Fr.*, peridiis confertis irregulariter subrotundis nigris albido-pulveraceis, columella nulla, sporidiis conglobatis nigrescentibus. — *Didymium physaroides Fr. syst. III.* 125. *Spumaria physaroides Pers. syn.* 163. *Alb. et Schw. nisk.* 87.

Ad truncos putridos, abietinos praesertim. (Statum mucidum s. obsoletum alius cujuscunque mentitur, tegmine farinoso et a praecedente crescendi modo confertiore, minutie et floccis albis deficientibus dignoscitur.)

†† *sessilia, peridiis subsphaericis magis regularibus subsessilibus columellaque instructis.*

2176. *D. complanatum Schrad.*, peridiis membranaceis coerulescente-cinereis variis applanato-sessilibus gregariis, columella depressa rufescente-ochracea, sporidiis fuliginoso-atris. — *Didymium complanatum Schrad. nov. gen.* 24. *t.* 5. *f. Fr. syst. III.* 125. *Clonium complanatum Link. Diderma complanatum Pers. syn.* 168.

Ad folia dejecta in udis putrescentia, Hercyn. inferior. (*Schrader.*)

2177. *D. effusum Fr.*, peridiis membranaceis applanato-sessilibus sparsis confluendoque difformibus cinereo-glaucescentibus flocculoso-pruinosis, columella floccisque albis, sporidiis fuligineo-atris. — *Didymium*

(*Dictydium Schrad. nov. gen. I.* 11. *Lk. Nees. Fr. Cribrariae sp. Pers. Stemonitis sp. auct.*)

2157. *D. venosum Schrad.*, peridiis subcernuis, nervis divergenti-ramosis apicibus liberis venosis, stipite gracili, sporidiis lutosis s. fulvo-fuscescentibus. — *Dictydium venosum Schrad. l. l.* 14. *t.* 3. *f.* 6. *Fr. syst. III.* 167. *Cribraria venosa Pers. syn.* 191. *Alb. et Schw. nisk.* 105.

Ad truncos abietinos putres Hercyn. (*Schrader*) (Stipites graciles, rectiusculi. Peridium irregulariter dehiscens; nervis obscurioribus, primariis 7–10 et pluribus divergenti-ramosis, apice non reticulato-connexis sed venoso-tentaculatis.)

2158. *D. microcarpon Schrad.*, peridiis subcernuis sphaericis punctulatis transversim reticulatis, stipite tenerrimo longissimo, sporidiis lutosis. — *Dictydium microcarpon Schrad. l. l.* 13. *t.* 4. *f.* 3. *Fr. syst. III.* 166. *Cribraria microcarpa Pers. syn.* 190. *Alb. et Schw. nisk.* 104.

Ad truncos abietinos putridos Hercyn. (*Schrader*), Lusatiae (*Albertini et Schweiniz*). (Peridium sphaericum minutissimum, primum albidum, dein fuscum, demum fuscescenti-flavum, vertice irregulariter rumpens sporidiisque profusis pallescens. Reticuli nodi subrotundo-angulati, peridium nigro-punctatum mentientes. *Schrader.*)

2159. *D. splendens Schrad.*, peridiis erectis laevibus subrotundis aequaliter transversimque reticulatis apice dehiscentibus fusco-lutescentibus splendentibus, sporidiis lutosis. — *Dictydium splendens Schrad. l. l.* 14. *t.* 4. *f.* 5. 6. *Fr. syst. III.* 166. *Cribraria splendens Pers. syn.* 191.

Ad truncos putridos pineos et fagineos Hercyn. superior. et inferior. passim.

2160. *D. trichioides Chev.*, peridiis globosis rubellis erectis, dein cancellatim venosis rufescentibus, stipite simplici curto crassiusculo, sporidiis fusco-purpureis. — *Dictydium trichioides Chevaill. par. I.* 327. *Dub. gall. II.* 856. *Fr. syst. III.* 166. *Cribraria coccinea Pers. syn.*

190. *Trichia reticulata DC. gall. II.* 256. *Sphaerocarpus trichioides Bull. champ. t.* 387. *f.* 2.

Ad ligna putrida Populorum Thuring. (*Wallr.*)

2161. *D. ambiguum Schrad.*, peridiis cernuis, fibris transversalibus transversimque reticulatis, sporidiis fusco-purpureis. — *Schrad. l. l.* 13. *t.* 4. *f.* 2. *Fr. syst. III.* 165.

Ad truncos abietinos Hercyn. (*Schrader.*)

2162. *D. umbilicatum Schrad.*, peridiis sphaericis parvis cernuis vertice umbilicatis, nervis parallelis transversalibus junctis, sporidiis fusco-purpureis. — *Dictydium umbilicatum Schrad. l. l.* 11. *t.* 4. *f.* 1. *Fr. syst. III.* 165. *D. cernuum Nees syst f.* 47. *Grev. cr. t.* 153. *Mucor cancellatus Batsch cont. II. t.* 42 *f.* 232.

Ad truncos exesos Pinorum, Salicum, Populorum et Fagorum Hercyn. infer. et Thuring. passim. (Peridium foetum fusco-purpureum, dein longitudinaliter fissum, effoetum diaphano-hyalinum.)

276 CRIBRARIA SCHRAD. *Siebstaeubling.*

Peridium figuratum, simplex tenuiter membranaceum, dein vertice excusso dimidiatum. Flocci trabecularum nervearum instar peridio adnati eoque evanescente superne reticulum liberum constituentes. Sporidia coacervata nullis floccis intertexta, e vertice reticulato-cribroso profusa.

(*Cribraria Schrad. nov. gen. Nees. Pers. Lk. Fr. Stemonitis sp. auct. Sphaerocarpi sp. Bull.*)

† *globosae, peridiis globosis utplurimum socialibus.*

2163. *Cr. tenella Schrad.*, peridiis sphaericis subcernuis fuscescentibus, reticulo aequali nodoso, stipite gracillimo, sporidiis lutosis. — *Cribraria tenella Schrad. l. l.* 6. *t.* 3. *f.* 2. *Alb. et Schw. nisk.* 106 *Fr. syst. III.* 175.

Ad ligna pinea Hercyniae superioris et alibi rarius.

(Basis peridii excipuliformis reticulum purpureo-fuscum, sub lente luculenter nigro-punctatum exserit.)

2164. *Cr. aurantiaca Schrad.*, peridiis sphaericis subcernuis fulvis, e basi inaequaliter dentata reticulum subnodosum flavescens exserentibus, sporidiis laete lutescentibus. — *Cribraria aurantiaca Fr. syst. III.* 174.

α. ochracea, sporidiis ochraceis. — *Cribraria variabilis Ficin. dresd.* 296.

β. aurantiaca, sporidiis aurantiacis. — *Cribraria aurantiaca Schrad. l. l.* 5. *t.* 1. *f.* 3. 4. *Schum. saell. II.* 218. *Cr. vulgaris β. Pers. syn.* 194. *Trichia semicancellata β. Poir.*

γ. sulfurea, sporidiis sulfureis s. flavis. — *Cribraria aurantiaca γ. Alb. et Schw. nisk.* 106.

Ad ligna putredine exesa Hercyn., Thuring., Saxoniae et Lusatiae passim.

2165. *Cr. vulgaris Schrad.*, peridiis sphaericis minutis subcernuis lutosis, e basi patellaeformi parallelovenosa denticulata reticulum aequale exserentibus, stipite elongato flexuoso rufescente striato, sporidiis lutosis. — *Cribraria vulgaris Schrad. l. l.* 6. *t.* 1. *f.* 5. *Alb. et Schw. nisk.* 106. *Nees syst. f.* 116. *Fr. syst. III.* 171. *Dub. gall. II.* 856. *Trichia semicancellata DC. gall. II.* 255. *Sphaerocarpus semitrichoides Bull. champ. t.* 387. *f.* 1.

Ad ligna putredine exesa, Populorum praeprimis et Fagorum, parcius tantum obvia.

2166. *Cr. intricata Schrad.*, peridiis subrotundis erectiusculis fuscescenti-lutosis, e basi cupulari denticulata reticulum rigidulum inaequale exserentibus, stipite gracili stipato nigrescente, sporidiis lutosis. — *Cribraria intricata Schrad. l. l.* 7. *t.* 3. *f.* 1. *Pers. syn.* 195. *Fr. syst. III.* 173.

Ad truncos abietinos putres Hercyn., rarius, aestate et auctumno. (*Schrader.*)

2167. *Cr. purpurea Schrad.*, peridiis subrotundis erectis majusculis vivide purpurascentibus, e basi cupu-

lari reticulum tenuicellum cribroso-pertusum exserentibus, stipite flexuoso dein curvo, sporidiis concoloribus. — *Cribraria purpurea Schrad. l. l.* 8. *Alb. et Schw. nisk.* 105. *Fr. syst. III.* 173. *Clathrus pedatus, reticulo fixo Schmid. icon. t.* 33. *f.* 2.

Ad truncos abietinos putredine exesos Lusatiae, brumae tempore. (*Albertini et Schweiniz.*) (Totius generis longe speciosissima, colore purpureo insignis.)

†† *obovatae, peridiis obovatis.*

2168. *Cr. rubiginosa Fr.*, peridiis obovato-oblongis utrinque obtusis majusculis fragilibus badio-rubiginosis, e basi excipuliformi nitida reticulum delicatum aequale exserentibus, stipitibus brevibus nigrescentibus confertissimis, sporidiis rubiginosis. — *Cribraria rubiginosa Fr. syst. III.* 172.

Ad truncos abietinos Hercyn. superior. dubius hanc sp. legi. (Cautius a Licea Tubulina simillima dignoscenda, strato fluxo circumscripto, exarescendo membranaceo, sporidiis confertis quidem nec tamen confluentibus tecto insignis.)

2169. *Cr. argillacea Pers.*, peridiis subrotundis erectis stipatis tenuissimis obscure-venosis, e basi cyathode reticulum aequale fragile emittentibus, sporidiis argillaceis. — *Cribraria argillacea Pers. syn.* 193. *Chev. paris.* 328. *t.* 9. *f.* 15. *Alb. et Schw. nisk.* 106. *Fr. syst. III.* 172. *C. micropus Schrad. l. l.* 3. *t.* 2. *f.* 1 *? Stemonitis sphaerocarpa Schrank. St. argillacea Pers. olim.*

Ad ligna abietina Hercyn. super. frequens.

2170. *Cr. pyriformis Schrad.*, peridiis erectis pyriformibus purpurascentibus gregariis, e basi excipuliformi reticulum aequale obsolete-striatum emittentibus, stipitibus curtis firmis striatis fusco-purpurascentibus, sporidiis lutosis. — *Cribraria pyriformis Schrad. l. l. p.* 1. *t.* 3. *f.* 4. 5. *Fr. syst. III.* 171. *Cr. rufescens β. Pers. syn.* 193.

Ad ligna abietina Hercyn. (*Schrader.*)

gregariis depressis erectis farinosis, subtus plano-umbilicatis gryseis, stipite subulato columellaque nigris, sporidiis fusco-fuligineis. — *Didymium melanopus Fr. syst. III.* 114.

β. Clavus, stipite substriato, peridiis farinoso-villosis, subtus concavis nigris. — *Physarum Clavus Alb. et Schw. nisk.* 96. *t. f.* 2.

Ad quisquilias in nemoribus udis humi jacentes minime raro, Hercyn. infer. et Thuring. (Ita saltem cum *Friesio* stirpem interpretor ex speciminibus innumeris, inter se haud mediocriter aberrantibus et forsan novas species praestantibus, quarum quidem nonnullas *Linkius*, (*obs. I.* 27.) sub titulis *Physari sinuosi*, peridio globoso subdifformi gryseo deplanato, stipite brevissimo fusco, floccis albis, et *Ph. capitati* peridio globoso gryseo subtus umbilicato, stipite fusco, floccis albis insignes praemonuisse videtur.)

278. DIDERMA PERS. *Doppelhaeutling.*

Peridium duplex; externum crustaceum nonnisi testaceum discretum glabrum fragile dehiscens, internum hyalinum tenerrimum s. arachnoideum evanescens. Columella varia, nonnisi placentaris, saepius nulla. Flocci parci vagi, a basi ad latera verticemque tendentes, inter sporidia compacta serpentes.

(*Diderma Pers. ex emend. Fries. Leangium Lk. Didymii, Trichiae, Leocarpi, Spumariae et Physarii sp. auct.*)

† *adnata, peridiis adnatis columella destitutis.*

2194. *D. muscicola Lk.*, peridiis sessilibus flexuosis, tegmine externo gryseo, interno fuscescente, floccis fuscis, sporidiis atris. — *Link obs. I.* 26. *Fr. syst. III.* 113.
Muscos udos obtexere dicitur. (*Link.*)

2195. *D. reticulatum Fr.*, peridiis sessilibus serpentibus elongatis flexuosis reticulatisve, tegmine externo aurantiaco, interno tenerrimo floccisque flavidis, columella nulla, sporidiis atro-fuscis. — *Diderma reticu-*

latum Fr. syst. III. 112. *Alb. et Schw. nisk.* 90. *t. 7. f. 2.*

Inter folia conservata rarissime. (Forsan Didermatis vernicosi monstrum reticulatum sessile.)

2196. *D. contextum Pers.*, peridiis sessilibus congestis elongatis flexuosis, tegmine externo citrino, interno dilutius flavente, columella nulla, sporidiis fuliginosis. — *Diderma contextum Pers. obs. I.* 89. *Ditmar in Sturm germ. III.* 19. *Fr. syst. III* 112. *Physarum contextum Pers. syn.* 168. *Alb. et Schw. nisk.* 91.

Ad caules herbarum siccos rarius.

2197. *D. ochraceum Hoffm.*, peridiis subrotundis sessilibus congestis, tegmine externo luteo, interno tenui pallidiore, columella floccisque albis, sporidiis nigricantibus. — *?Diderma conglomeratum Fr. syst. III.* 111. *D. ochraceum Hoffm. germ. III. t. 9. f. 2. Lycoperdon luteum Jacq. misc.* 138. *t. 8.*

Ad folia putrescentia et muscos Hercyn. passim. (*Hoffmanni* plantulam a Friesiana distinguere nolui, nec constat, num *D. granulatum Schum.*, peridiis flavis columella destitutis et *D. minutum Schum.*, peridiis subreniformibus fragilibus flavis, quibus *Friesius* l. l. civitatem impertiit, reapse differant.)

2198. *D. contortum Hoffm.*, peridiis rotundatis sessilibus, tegmine externo crasso candido, interno tenuissimo hyalino, columella nulla, floccis obsoletis, sporidiis atro-fuscis — *Diderma deplanatum Fr. syst. III.* 110. *D. contortum Hoffm. germ. III. t. 9. f. 2. Pers. syn.* 166.

Ad muscos ramis fagineis incumbentes Hercyn. (*Hoffm.*) (Majusculum, polymorphum e figura subrotunda, saepius inaequale contortumque, semper applanatum. Tegmen externum crassiusculum, candidum, persistens, laeve omnino s. sulcis exaratum, internum hyalinum, aegre conspiciendum.)

2199. *D. cyanescens Fr.*, peridiis sessili-adnatis subrotundo-difformibus, tegmine externo crasso albo, in-

terno caesio, columella nulla, floccis sporidiisque nigrefuscis concoloribus. — *Diderma cyanescens Fr. syst. III.* 109. *Diderma difforme Alb. et Schw. nisk.* 90. *? Nees syst. f.* 105. *nec Fr. et Pers.*

Ad plantas vegetas in locis irriguis, praeprimis Oxalidem infestans, auctumno.

2200. *D. valvatum Fr.*, peridiis sessili-adnatis e figura subrotunda variis, nonnisi subelongatis albentibus, tegmine externo tenui in rimas valvasve dehiscente, columella nulla, floccis e basi adnata assurgentibus erectis eburneis, sporidiis atris. — *Diderma valvatum Fr. syst. III.* 109.

Ad ligna putrida, pinea praeprimis et alnea Hercyn. inferior. (Dehiscendi modus et floccorum ratio satis peculiaris et essentialis.)

†† *sessilia, peridiis sessilibus, columella instructis, gregariis quidem, basi substrata tamen destitutis.*

2201. *?D. trichodes Fr.*, peridiis globosis sessilibus fuscis, nonnisi difformibus, floccis densis persistentibus concoloribus, columella parva aggregata. — *Fr. syst. III.* 108. *Didymium trichodes Link obs. II.* 42.

Ad arborum corticem Silesiae. (*Link.*) (Physaro reticulato adfine nec a Trichiis alienum auctores declarant, quod floccis copiosis ad praeced. accedit et mihi dubium, necdum a me visum est.)

2202. *D. complanatum Pers.*, peridio sessili complanato vario coerulescente-cinereo, columella rufescente-ochracea. — *Pers. syn.* 168. *Didymium complanatum Schrad. nov. gen.* 24. *t.* 5. *f.* 5.

Ad folia dejecta putrescentia, auctumno. (*Schrader.*) (Quod *Friesius* dubium reliquit, in auctoris fidem tamen nolui omittere.)

2203. *D. depressum Fr.*, peridio orbiculari depresso, tegmine externo candido fugaci, interno cinereo,

columella plana testaceo-pallida, floccis sporidiisque fuscis. — *Diderma depressum Fr. syst. III.* 108.

Ad ramulos dejectos et sarmenta putrescentia, Rubi Idaei praeprimis, tale quale in Hercyn. infer. legi.

2204. *D. testaceum Pers.*, peridio applanato-sessili subrotundo hemisphaerico, tegmine externo columellaque conformi rufescenti-carneis, interno violaceo, floccis sporidiisque fuliginoso-nigris. — *Didymium testaceum Schrad. nov. gen.* 25. *t.* 5. *f.* 1. *Diderma testaceum Pers. syn.* 167. *Alb. et Schw. nisk.* 89. *Reticularia sphaeroidalis β. Bull. l. l.*

Ad folia dejecta uda Thuring. passim.

2205. *D. difforme ?Pers.*, peridio oblongo difformi sessili deplanato, tegmine externo candido, interno coerulescente subreticulato, columella subglobosa, sporidiis fuligineo-fuscis (obscure-fuscis *Pers.*) — *Diderma difforme Sommerf. lapp.* 241. *Fr. syst. III.* 106. *?Pers. syn.* 167. *Didymium difforme Dub. gall. II.* 858.

Ad caules herb. elatiorum, Solani v. c. tuberosi Thuring. Autumno. (Hoc titulo variae innotuerunt procul dubio species et anceps omnino haereo, utrum mea specimina synonymis l. satisfaciant?)

2206. *D. globosum Pers.*, peridio globoso-hemisphaerico sessili, tegmine externo candido, interno cinereo, columella globosa, sporidiis fuliginoso-nigris. — *Diderma globosum Pers. disp.* 9. *t.* 4. *f.* 4., *syn.* 167. *Alb. et Schw. nisk.* 89. *Ditmar in Sturm germ. III. t.* 6. *Grev. cr. t.* 122. *Didymium globosum Chevaill. par.* 334. *t.* 9. *f.* 28. *D. candidum Schrad. nov. gen.* 25. *Reticularia sphaeroidalis a. Bull. champ. t.* 446. *Mucilago minima Mich. gen. t.* 96. *f.* 6.

Ad folia delapsa, locis udis arescentia passim.

††† *syncephala, peridiis e basi substrata fluxa, gelatinam mollem, cum ordine quodam, arbusculae instar prorepentem mentiente, sensim in stipites veluti*

spurios assurgentibus inferneque sociatim coalescentibus, obovatis plerumque columellaque destitutis. (D. botryosa Fr.)

2207. *D. vernicosum Pers.*, peridiis obovatis, tegmine externo testaceo fulvo dein spadiceo vernicoso nitido fragilissimo, interiore hyalino, stipitibus capillaribus brevibus laxis, e basi membranacea dilatata assurgentibus, sporidiis nigricantibus. — *Diderma vernicosum Pers. obs.* 89. *t.* 3. *f.* 7., *syn.* 165. *Alb. et Schw. nisk.* 89. *Flor. dan. t.* 1312. *f.* 2. *Fr. syst. III.* 102. *Leangium vernicosum Dub. gall. II.* 858. *Leocarpus vernicosus Link obs. I.* 25. *Nees syst. f.* 110. *Grev. cr. f.* 111. *Physarum nitidum et vernicosum Schum. saell.* 206. *Reticularia fragilis Poir. Trichia lutea Trentep. Lycoperdon fragile Dicks. cr. I. t.* 3. *f.* 6. *L. parasiticum Wither.*

Ad gramina, muscos, folia ramulosque putrescentes, Jove pluvio, per totum annum suisque locis ubertim, aliis itidem plane deficiens. (Morphosis ut in reliquis, satis singularis, a mucilagine flava, arescendo demum persistente et peridia rigida, vernicoso-nitentia, testacea, rufescentia, lutescentia, badia in pedicellis discoloribus luteis tenacellis implexis difformibus fasciculatim congregata exserente. *D. atrovirens*, peridiis ovalibus, tegmine crasso atro nitido sporidiisque atrovirentibus, *Friesio* teste l. l. affine quidem at diversum esse dicitur.)

2208. *D. spumariaeforme W.*, peridiis subrotundo-difformibus caesiis, tegmine albo tectis, e basi effusa contigua dein membranaceo-cellulosa confluendo subeuntibus, columella cylindrica floccisque albis, sporidiis atris. — *Diderma spumarioides Fr. syst. III.* 104. *Flor. dan. t.* 1978. *f.* 1. *Reticularia alba Sowerb. fung. t.* 280. *R. hortensis Bull. champ. t.* 424. *Spumaria alba Schum. saell. II.* 195. *?Mucilago crustacea alba Mich. gen. t.* 96. *f.* 2.

Ad quisquilias herbaceas vigentes quascunque humi jacentes, aestate pluvia et serena, tale quid in nemoribus

thuring. saepe legi, nec tamen a Spumariae albae mou-
stris differmibus distinguere volui. *(Diderma oblongum,*
peridiis obovatis caesiis firmis, tegmine tenui albo laevi
deciduo obductis, stipitibus laxis submembranaceis, spo-
ridiis atris, *Fr. syst. III.* 103. *s. Spumaria didermoides*
Ach. in Pers. syn. XXIX., simile mihique dubium, in-
dagandum relinquo.)

2209. *D. ramosum Pers.*, peridiis rotundatis turbi-
natisve, primum albis, dein flavis demumque gryseo-ni-
grescentibus, intus ? locolosis, stipitibus ramosis albis,
sporidiis nigris. — *Diderma ramosum Pers. syn.* 166.
nec Fries. D. stipitatum Fr. syst. III. 104. *Didymium*
ramosum Dub. gall. II. 859. *Reticularia stipitata Bull.*
champ. t. 380. *DC. gall. II.* 258.

Ad ligna putria Hercyniae myxomyceten perfectum
legi cum descriptione data satis congruum, ad praece-
dentem vero amicius accedentem.

2210. *D. papaverinum W.*, peridiis ovalibus, teg-
mine interno gryseo-argenteo fragili, externi rudimentis
obsoletis punctato-cellulosis obducto, stipitibus e basi
implexa peridia fasciculato-aggregata sustinentibus pro-
ductis luteis, floccis teneris eburneis rigidis ramoso-re-
iculatis undique appensis sporidiaque nigro-fusca inter-
inguentibus. — *Physarum papaverinum Wallr. in lit.*

Ad trabes quercinas doliis udis suggestas agri nort-
usan., brumae tempore, semel et abundanter. *(Wallr.)*
rimordia fluxa gelatinosa opere phrygio reticulato
asi cubilia longe lateque obducunt, Mesentericae s.
obomorphae citrinae instar, ex quibus ocius jam sti-
s longi exsurgunt inter se basi cohaerentes, superne
dium ovale, basi subaequale, majusculum, seminis pa-
erini grysei molem et colorem aequans sustinentes et
um ob stipites basi implexos plura in fasciculos juncta
gunt. Peridium fragile gryseo-argenteum tenerrimum
ete punctulatum, extus maculis minutissimis candi-
ous (tegminis externi rudimentis contractis) inscrip-
sporidiorum globosorum minutissimorum farcimine

nigro-fusco, floccis eburneis rigidis ramosis utrinque appensis intercepto foetum. Sporidia profusa cubilia inquinare solent.)

2211. *D. compactum W.*, peridiis subglobosis rectis flavo-viridibus, e basi substrata in stipites rectos crassiusculos inter se confluendo et divergendo nexos succrescente aurantio suffultis socialibus, sporidiis compactis atris, floccis albidis interspersis. — *Physarum compactum Ehrenb. sylv.* 14. 26 *Schltdl. berol. II.* 161.

Ad truncos putridos agri berol. (*Ehrenberg.*) (Ad D. rufipes *Friesius*, a me nondum visum, refert.)

2212. *D. rufipes Fr.*, peridio globoso obovatoque lutescente, stipite brevi aurantio-rufo striato, sporidiis fusco-nigris, floccis vagis stipatis a columella centrali depressa oriundis exceptis. — *Diderma rufipes Fr. syst. III.* 101. *Physarum aurantium β. rufipes Alb. et Schw. nisk.* 94.

Ad folia, ramenta quaecunque et ramulos suffocatos imbribus auctumnalibus humectos, in agro niskiensi. (*Albertini et Schweiniz.*)

†††† *stipitata, peridio lenticulari s. subgloboso, stipite distincto suffulto.*

2213. *D. globuliferum Fr.*, peridio globoso albo-flavente dein nigricante, stipite brevi crasso luteo-rufescente, sporidiis nigricantibus, globulis luteolis intermixtis. — *Diderma globuliferum Fr. syst. III.* 100. *Trichia globulifera DC. gall. II.* 253. *Physarum globuliferum Pers. syn.* 175. *t.* 3. *f.* 11. *Dub. gall. II.* 861. *Sphaerocarpus globuliferus Bull. champ. t.* 484. *f.* 3.

Ad ligna herbasque majores putres, Thuring. at parcius modo obvium. (Primordia fluxa tenuia Mesentericae instar serpentia; peridia inde nata caduca, floccis saepius solum superstitibus. Globulos intermixtos *Friesius* pro columellae spuriae rudimento habet.)

2214. *D. lepidotum Fr.*, peridiis globosis basi parce umbilicatis globosis tessellatim dehiscentibus fer-

ruginco-lutescentibus, stipite elongato gracilescente, columella oviformi obsoleta, sporidiis atris. — *Diderma lepidotum Fr. syst. III.* 100. *Cionium lepidotum Nees syst.* 114. *Leangium lepidotum Ditmar in Sturm germ. III. t.* 21.

Ad ligna putrida Fagorum agri rostoch. (*Ditmar.*) (Differt a praecedente haud dissimili, stipite longiore et peridio tessellatim dehiscente.)

2215. *D. umbilicatum Pers.*, peridiis subgregariis subrotundis subtus umbilicatis albidis in lacinias demum patentes fissis, stipite obeso brevi subconico, columella rugosa grumosa insigni rufescente, sporidiis atropurpurascentibus. — *Diderma umbilicatum Pers. syn.* 165. *Alb. et Schw. nisk.* 88. *Fr. syst. III.* 99. 99. *Flor. dan. t.* 1972. *f.* 1. *D. crassipes Schum. saell. II.* 196.

Ad cortices arborum putres, Populorum praeprimis, Sorborum et Abietis, rarius, auctumno. (Stipes satis brevis; peridium interuum obsoletum.)

2216. *D. floriforme Pers.*, peridiis gregariis sphaericis subcoriaceis stellatim-fissis reflexis albido-lutescentibus *v.* stramineis, stipite gracili elongato, columella insigni obconica, sporidiis nigro-fuscis. — *Diderma floriforme Pers. syn.* 164. *DC. gall. II.* 257. *Fr. syst. III.* 99. *Leangium floriforme Link obs. I.* 24. *Didymium floriforme Schrad. l. l.* 21. *Sphaerocarpus floriformis Bull. champ. t.* 311.

Ad truncos putredine exesos, Hercyniae v. c., at rarissime.

2217. *D. stellare Pers.*, peridio lenticulari subtus umbilicato, exteriore fusco-pallente crustaceo dein in lacinias 5–8 sensim revolutas fisso, interno tenerrimo hyalino caduco, stipite brevissimo robusto, columella subrotunda insigni, sporidiis nigris. — *Diderma stellare Pers. syn.* 164. *Alb. et Schw. nisk.* 88. *Fr. syst. III.* 99. *Leangium stellare Link obs. I.* 24. *Nees syst. f.* 109. *Didymium stellare Schrad. nov. gen.* 21. *t.* 5. *f.* 3. *Lycoperdon radiatum L. sp.* 1654. (*saltem ex descriptione.*)

Ad cortices abietinos semiputres Lusatiae (*Albertini et Schweiniz*), Hercyniae (*Persoon. Schrader. Wallr.*) Auctumno.

279. TRICHIA HALL. *Haarstaubling.*

Peridium simplex membranaceum persistens figuratum, vertice irregulariter rumpens. Flocci dense implexi, versus basin adnati torti, elastice semet expandentes sporidiaque simplicia laete colorata spargentes.

(*Trichia Hall. ex emend. Pers. et Fr. Lk. Neos Goniospora Lk. in Schrad. Journ.* 1809. *Stemonitis sp. Gmel. Lycoperdi sp. auct. Mucoris, Clathri et Sphaerocarpi sp. Bull. Trentep. aliorumque.*) Primordia fluxa fere mesenterica.

† *sessiles, peridiis subsessilibus, nonnisi irregulariter figuratis fissisque, floccis laxioribus instructis.*

2218. *Tr. Serpula Fr.*, peridiis variis venoso-serpentibus flexuosis reticulatisque flavis, floccis sporidiisque concoloribus pulchre luteis. — *Trichia Serpula Fr. syst. III.* 188. *Tr. venosa Schum. saell. II.* 207. *Lycoperdon lumbricale Batsch cont. I.* 259. *f.* 174. *Willd. berol.* 414. *Tr. spongioides Vill. Mucor Serpula Scop. carn. II.* 443.

α. simplex, peridiis subsimplicibus. — *Trichia Serpula Pers. syn.* 181. *Alb. et Schw. nisk.* 100.

β. reticulata, peridiis longioribus varie flexis. — *Trichia reticulata Pers. syn.* 182. *Neos syst. f. III. Grev. cr. t.* 266.

Ad truncos arborum putres, Betularum praeprimis et Alnorum, auctumno sero, rarius.

2219. *Tr. circumscissa W.*, peridiis sessilibus sparsis subrotundis depresso-convexiusculis fusco-castaneis areolatis, ocius jam a media inde parte transversim fissis basinque patellarem deplanatam, centro umbonato saturatiore adfixam membranaceam laevigatam nudam

relinquentibus, sporidiis aureis, floccis tortuoso-implexis effusis flaventibus. — *Trichia circumscissa Wallr. in lit.*

Ad ramulos salicinos humi jacentes in locis suffocatis Thuring. (*Wallr.*) (Peridia integra rarissime deprehenduntur; adsunt plerumque flocci effusi cum sporidiis profusis speciem prodentibus et scutula basilaria, cubilibus adpressa iisque concolora, centro umbonata s. papillata, peridii circumsciasi rudimenta residua, vix nisi sub vitro perspicua.)

2220. *Tr. varia Pers.*, peridiis sessilibus e figura subrotunda reniformique variis, nonnisi longius excurrentibus flavescentibus, floccis sporidiisque ochraceis. — *Trichia varia Pers. obs. II.* 32., *syn.* 181. *Alb. et Schw. nisk.* 100. *Fr. syst. III.* 188. *Stemonitis varia Pers. Lycoperdon vesiculosum Batsch. Mucor granulatus Schaeff. bavar. t.* 296. — *Mich. gen. t.* 95. *f.* 2.

Ad truncos exesos, Betulae, Populorum, Salicum Thuring. passim.

2221. *Tr. chrysosperma DC.*, peridiis subsessilibus rotundatis congestis nitidis luteo-cinnamomeis, floccis sporidiisque ochraceo-aureis. — *Trichia chrysosperma DC. gall. II.* 250. *Fr. syst. III.* 187. *Tr. nitens. Pers. syn.* 180. *Dub. gall. II.* 860. *Tr. olivacea Pers. i. l. Alb. et Schw. nisk.* 99 *pr. pr. Tr. favoginea Schum. saell. II.* 207. *Stemonitis favoginea Gmel. Lycoperdon favogineum Batsch cont. I. f.* 173. *Lycop. gregarium Retz. Sphaerocarpus chrysospermus Bull. champ.* 417.

Ad ligna putredine exesa in locis abditis, passim. (Rarius tantum peridia integra leguntur, colore quidem vario, semper tamen sporidiorum aureo s. fulvo insignia.)

2222. *Tr. turbinata With.*, peridiis obovatis sessilibus congestis ochraceo-alutaceis, floccis sporidiisque ochraceis. — *Trichia turbinata Wither. Fr. syst. III.* 187. *Tr. ovata Pers. obs. et syn.* 180. *Flor. dan. t.* 1313. *f. I. Tr. olivacea Pers. pr. pr. Stemonitis pyriformis Willd. berol. Tr. pyriformis Vill. delph.* 492. *t.*

3. *Lycoperdon aggregatum Retz. L. luteum Relh. Mucor pyriformis Scop. Lycop. epiphyllum Lightft. Clathrus turbinatus Huds. — Hall. hist. t. 48. f. 7. Sowerb. fung. t. 85.*

Ad ligna mucida caudicum, in nemoribus roridis, Thuring. aestate serena satis frequens. (Figura turbinata, obesa. Primordia fluxa alba, dein flava, ochracea, opaca, nunquam aurea et nitida, saepius sole tacta, praematura exarescunt facileque decipiunt (*Sclerotium Fagi Schum.*)

2223. *Tr. nigripes Pers.*, peridiis subsessilibus e figura obovata pyriformi variis, nonnisi productioribus laevibus gregariis lutescentibus, stipite brevissimo nigrescente saepius obsoleto, floccis sporidiisque luteo-ochraceis. — *Trichia nigripes Pers. syn. 178. Fr. syst. III. 186. Tr. vulgaris, cordata, pyriformis et cylindrica Pers. obs. II. 32. (formae variae.) Tr. elongata et cylindrica Schum. saell. II. 207. Fl. dan. t. 1313. f. 2. Tr. pyriformis DC. gall. II. 251. Sphaerocarpus pyriformis Bull. champ. t. 417. f. 2.*

In similibus cum priore locis nec a foliis congestis, praesertim fagineis aliena. (Valde polymorpham et decipientem synonyma jam praenotant et ad singulas aberrationes totidem varietates distingui possunt. Primordia fluxa alba, ut in reliquis, *Mucorem lacteum Leers s. Embolum lacteum Hoffm.* forsan signant.)

†† *stipitatae, peridiis obsolete circumscissis, e basi stipitata persistente floccos congestos elevantibus s. monstrantibus. (T. hemiarcyriae Fr.)*

2224. *Tr. clavata Pers.*, peridiis oboratis, primum albo-rubentibus, ocius jam flaventibus nitentibus majusculis laevibus, stipite rugoso subconcolore, floccis sporidiisque ochraceis. — *Trichia clavata Pers. obs. II. 34., syn. 178. DC. gall. II. 101. Fr. syst. III. 186. Tr. citrina Schum. saell. II. 209. Tr. pyriformis Sibth. Sowerb. fung. t. 400. f. 6.*

β. cerina, peridiis longe stipitatis saturate-cerinis s.

olivaceis. — *Trichia cerina Ditmar in Sturm germ. III. 51. t. 25.*

Ad truncos putridos, fagineos praeprimis, Hercyn. inferior. et Thuring passim; var. *β.* ad caudices alneos et abietinos agri rostoch. (*Ditmar*), vix nisi colore saturatiore, fere olivaceo diversa.

2225. *Tr. fallax Pers.*, peridiis primum albo-rubescentibus globosis, dein turbinatis gregariis e miniato-argillaceis circumscissis opacis, in basin stipitatam plicatam desinentibus, floccis sporidiisque ovatis obscure-ochraceis. — *Trichia fallax Pers. obs. I. 59. t. 3. f. 4. DC. gall. II. 251. Nees syst. f. 113. Fr. syst. III. 185. Arcyria decipiens Pers. olim. Sphaerocarpus ficoides Bull. champ. t. 417. f. 2. Clathrus stipitatus Schmid. icon t. 33. f. 1–18.*

Ad truncos putridos nemorum Hercyn. inferior. et Thuring. passim. (Primordia fluxa ex colore albo ocius jam e minio quid vel ex rosa debili trahentia fucum facile faciunt et *Mucorem miniatum Jacq. austr. t. 299. M. Trichiam Oed. fl. dan. t. 467. f. 2. et Trichiam graniformem Hoffm. veg. crypt II. t. 1. f. 2.* significant.)

2226. *Tr. serotina Schrad.*, peridiis obovatis sparsis opacis badiis, stipite furco laevi, floccis sporidiisque lutosis. — *Trichia serotina Schrad. bot. Journ. 1799. II. 67. t. 3. f. 2. Fr. syst. III. 184. Tr. Botrytis β. simplex Pers. syn. 176. ? Tr. notata Flor. dan. t. 1680. f. 2.*

Ad truncos abietinos Hercyn. superior. (*Schrader.*) (*Friesio* observante nuper potissimum illuxit, habitu cum praecedentibus similis, stipitis laevore et nitore tamen diversa.)

2227. *Tr. pyriformis Hoffm.*, peridiis turbinato-pyriformibus subfasciculatis atro-rubentibus, stipitibus exsertis fulvis, floccis sporidiisque crocato-fulvis. — *Trichia pyriformis Hoffm. veg. cr. l. l. t. 1. f. 1. Fr. syst. III. 184. Tr. Botrytis α. Pers. syn. 176. Stemonitis pyriformis Roth. Mucor pyriformis Leers herb. 288.*

In similibus cum reliquis locis. Aestate.

2228. *Tr. rubiformis Pers.*, peridiis turbinato-cylindricis chalybeis fasciculatis, stipitibus brevibus confluentibus rubiginosis, floccis sporidiisque puniceis. — *Trichia rubiformis Pers. dispos.* 54. *t.* 4. *f.* 3., *syn.* 176. *Alb. et Schw. nisk.* 98. *Nees syst. f.* 112. *Flor. dan. t.* 1365. *f.* 2. *Fr. syst. III.* 183. *Tr. chalybea Chevaill. par.* 323. *t.* 9. *f.* 24. *Stemonitis fasciculata Gmel. Tr. cinnabarina Bull. champ. t.* 502. *f.* 1. *Lycoperdon vesparium Batsch cont. I. f.* 172. *L. favaceum Schrank. Hall. hist. t.* 48. *f.* 5.

Ad truncos arborum, Fagorum praeprimis, Populorum et Salicum vulgaris. (Cautius ab Arcyriis similibus distinguenda.)

280. ARCYRIA HILL. *Kelchstaeubling.*

Peridium simplex tenuiter membranaceum, vertice umbonato illico caduco, partem subjectam poculiformem circumscissam relinquens. Flocci dense implexi, e basi adscendentes contorti, parastadem elasticam emersam demum deciduam mentientes.

(*Arcyria Hill. hist.* 47. *ex emend. Pers., Fries. Lk. et Nees. Stemonitis sp. Trentep. Trichiae sp. Hall. Bull. Clathri et Clathroidis sp. L. et Mich.*)

2229. *A. ochroleuca Fr.*, peridiis stipitatis sparsis globosis luteis, floccorum parastade ovata erecta sporidiisque ochraceo-pallidis. — *Arcyria ochroleuca Fr. syst. III.* 181. *A. flavescens Sch. A. silacea Ditmar in Sturm germ. III. t.* 8. *Stemonitis ochroleuca Trentep.*

Ad ligna putrida quercina et faginea passim.

2230. *A. umbrina Schum.*, peridiis gregariis ovatis stipitatis umbrinis, stipite distincto concolore, floccorum parastade ovata erecta sporidiisque ochraceis. — *Arcyria umbrina Schum. saell. II.* 213. *Flor. dan. t.* 1975. *f.* 1. *Fr. syst. III.* 181. *Stemonitis lutea Trentep. Stem. flavescens Schrank. St. pomiformis Roth germ. I.* 448. *Mucor pomiformis Leers herb.* 218.

Ad truncos abietinos Hercyn., auctumno sero.

2231. *A. nutans Fr.*, peridiis subsessilibus cylindricis pallidis congestis, dein vertice excusso calyculum minimum enervem pellucidum relinquentibus, floccorum parastade elongata nutante sporidiisque sordide lutescentibus. — *Arcyria nutans DC. gall. II.* 254. *Fr. syst. III.* 180. *A. flava Pers. syn.* 184. *A. alutacea Schum. saell. II.* 212. *Stemonitis amoena Trentep. St. nutans Gmel. Trichia nutans Bull. champ. t.* 502. *f.* 3. *Sowerb. fung. t.* 260.

Ad caudices abietinos Hercyn. superioris passim.

2232. *A. straminea W.*, peridiis sparsis s. aggregatis ovato-oblongis stramineis, stipite illis triplo breviore saturatiore sulfultis, floccorum parastade conformi daedaleo-reticulata sporidiisque concoloribus. — *Arcyria pallens Wallr. in lit.*

Ad ligna salicina putrida Thuring., unico loco. (Specimina legi tantum effoeta, satis insignia tamen floccorum parastade pallida, sine nitore straminea.)

2233. *A. cinerea Schum.*, peridiis stipitatis gregariis ovato-globosis cinereis dein nigrescentibus, floccorum parastade ovato-cylindrica sporidiisque glauco-cinerascentibus. — *Arcyria cinerea Schum. saell. II.* 213. *Alb.* et *Schw. nisk.* 101. *Fr. syst. III.* 180. *Flor. dan. t.* 1975. *A. albida Pers. dispos.* 10. *t. I. f.* 2. (*rudis.*) *Trichia cinerea Bull. champ. t.* 477. *f.* 3. *DC. gall. II.* 254. *Stemonitis glauca Trentep. Clathrus recutitus L. sp.*

In similibus cum priore locis, at rarius.

2234. *A. carnea W.*, peridiis sparsis ovatis cinereo-carneis, stipite brevi flavente, parastade coactoreticulata sporidiisque pallide-carneis. — *Trichia carnea Wallr. in lit.*

Ad fimum equinum nemorum Thuring. (*Wallr.*) (Praecedenti simile quidem, at stipite breviore, peridii colore et natalitiis alienum.)

2235. *A. fusca Fr.*, peridiis gregariis stipitatis ovata-globosis fuscis, vertice excusso basin cupulaeformem subintegram relinquentibus, floccorum parastade ovata compacta sporidiisque carneo-cinereis. — *Arcyria fusca Fr. symb.* 27., *syst. III.* 179. *A. carnea et dentata Schum. saell. II.* 213. *A. cinerea Pers. syn.* 184. *pr. pr.* Ad ligna putredine exesa Hercyn. rarius. (Sporidiorum colore carneo-cinereo facile recognoscenda, alioquin polymorpha.)

2236. *A. incarnata Pers.*, peridiis congestis breviter stipitatis ovatis enervibus incarnatis, vertice excusso basin cupulaeformem pezizoideam relinquentibus floccorum parastade elongata sporidiisque carneis. — *Arcyria incarnata Pers. observ. I.* 58. *t.* 5. *f.* 4., *syn.* 185. *Ditmar l. l. t.* 44. *Fr. syst. III.* 178. *A. lilacina Schum. l. l. Stemonitis globosa et carnea Trentep. St. Trichia Roth germ. I.* 594.

Ad ligna putrida passim. (Ab hac vix nisi peridiis cylindricis elongatis tortis caespitosis sporidiisque ferme sanguineis distat *Trichia flexuosa Schum. l. l.*)

2237. *A. punicea Pers.*, peridiis congestis stipitatis, e figura ovata elongatis puniceis, vertice excusso basin calycularem venosam relinquentibus, floccorum parastade assurgente producta sporidiisque puniceis. — *Arcyria punicea Pers. syn.* 185. *Alb. et Schw. nisk.* 101. *Flor. dan. t.* 1364. *f.* 2. *Nees syst. f.* 114. *Grev. cr. t.* 130. *Fr. syst. III.* 177. *Trichia coccinea Bull. champ. t.* 368. *DC. gall. II.* 255. *Empolus crocatus Batsch. Stemonitis coccinea Roth l. l. Mucor coccineus Leers. M. clathroides Scop. Trichia denudata Wither. Sowerb. Clathrus denudatus L. sp.* 1649. — *Hall. hist. t.* 48. *f.* 6. *Mich. gen. t.* 94. *f.* 1.

Ad truncos putridos quoscunque Hercyn. inferior. et Thuring. frequens. (Eximie variat et aliquem ad longitudinem prodere videtur nisum, ex quo continuato *Arcyria vermicularis*, peridiis cylindricis elongatis flexuosis rubris, sporidiis floccorumque parastade praelonga in-

siguis, exorta esse videtur. *A. melanocephala Schum. l. l.* eadem et apice praemature exarescente nigricante solum differt.

2238. *A. conjugata Schum.*, peridiis membranaceis majusculis ovatis turgidis, verticis tegmine tenerrimo hyalino, ex sporidiorum farcimine puniceo translucente rubro ocius caduco, basi residua verrucosa ollari fusco-rubra venosa dein magis tenuata deplanata, parastade laxa elevata ovata, stipite brevi striato rufo-fusco. — *Arcyria conjugata Schum. saell. II.* 215.

Ad caudices Populi tremulae putridos Thuring. passim. (Quam *Friesius* praecedenti subscribere jubet, equidem cum *Schumachero* peridiorum indole, figura et mole distinguere mallem.)

281. DIACHEA FR. *Flockenstaeubling.*

Peridium simplex tenerrimum hyalinum in frustula dehiscendo ocissime caducum, stipite floccoso-grumoso pulverulento laxe celluloso, e basi crassa sensim tenuato floccorum parastadem reticulatam penetrante suffultum. Sporidia globosa inspersa.

(Diachea Fr. Stemonitis Trentep. Pers. Trichiae sp. Bull.)

2239. *D. elegans Fr.*, peridiis ovatis oblongisque obtusis tenerrimis cum nitore chalybeo-violaceo micantibus, stipitibus gregariis floccoso-grumosis e basi incrassata subconica brevi sensim tenuatis parastademque caesiam penetrantibus candidis, sporidiis atro-rubentibus. — *Diachea elegans Fr. syst. orb. I.* 143., *syst. myc. III.* 156. *Stemonitis leucostyla Pers. syn.* 186. *St. leucopoda DC. gall. II.* 257. *Trichia leucopodia Bull. champ. t.* 601. *f.* 2. *Stemonitis elegans Trentep. in Roth cat. I.* 220.

Ad plantas, ramulos stipitesque vegetos et siccos agri thuring. passim, ob vitam ephemeram autem rarius tantum integra superest. Aestate serena. (Initia fluxa ve-

nosa Phlebomorphae Pers. instar, lactea, undique serpendo vagantia et ocissime propullulantia, cito jam coeunt stipitemque peridiphorum diutius persistentem exserunt floccoso-grumosum fragilem et inanem.)

282. STEMONITIS GLED. *Fadenstaeubling.*

Peridium simplex tenuissime-membranaceum hyalinum ocius jam evanescens, stipitatum stipiteque setaceo firmo nigro penetrante floccorumque reticulato-connexorum parastadem excipiente instructum. Sporidia inspersa.

(*Stemonitis Gleditsch meth.* 140. *Pers. Nees. Fr. Trichiae et Arcyriae sp. auct. Clathroidastrum Mich.*)

† *stylophorae, peridiis globosis sparsis, e basi dimidiata stipitem semipenetrantem exserentibus.*

2240. *St. cribrarioides Fr.*, peridiis atris sessilibus fugacibus basin excipuliformem exiguam relinquentibus floccorumque parastadem nigricantem stylidio brevi centrali instructam sustinentibus. — *Stemonitis cribrarioides Fr. syst. III.* 163. *Cribraria Lycoperdi Fr. Nees in lit.*

Ad apices foliorum Lycopodii annotini putrescentes Thuring. prope Arnstadt (*Lucas.*)

2241. *St. arcyrioides Sommerf.*, peridiis globosis violaceo-chalybeis irregulariter fissis, stipite brevi basin excipuliformem floccorumque parastadem globosam semipenetrante, sporidiis fuscescentibus ovatis. — *Stemonitis arcyrioides Sommerf. Fr. syst. III.* 162. *St. chalybea Pers. in lit.*

Ad caules herbarum in Vogesis (*Mougeot*) vicinisque regionibus.

2242. *St. violacea Fr.*, peridiis lenticularibus chalybeis fugacibus subtus umbilicatis majusculis fugacissimis, stipite brevi basin obsoletam floccosque laxos albos semipenetrante, sporidiis nigricantibus. — *Fr. syst. III.* 162.

Ad Jungermanniam laevigatam Vogesorum. (*Mougeot.*)

. — *Trichia cerina Ditmar in Sturm germ. III.* 25.

truncos putridos, fagineos praeprimis, Hercyn. et Thuring passim; var. *β.* ad candices alneus ... agri rostoch. (*Ditmar*), via nisi colore sa-, fere olivaceo diversa.

. *Tr. fallax Pers.*, peridiis primum albo-ru-bus globosis, dein turbinatis gregariis e miniato-is circumscissis opacis, in basin stipitatam plica-ineatibus, floccis sporidiisque ovatis obscure-och- — *Trichia fallax Pers. obs. I. 59. t. 3. f. 4.* *I. II. 251. Nees syst. f. 113. Fr. syst. III. 185.* *decipiens Pers. olim. Sphaerocarpus ficoides* *amp. t. 417. f. 2. Clathrus stipitatus Schmid.* *3. f. 1-18.*

truncos putridos nemorum Hercyn. inferior. et passim. (Primordia fluxa ex colore albo ocius ... quid vel ex rosa debili trahentia fucum fa-... et *Mucorem miniatum Jacq. austr. t. 293.* *hiam Oed. fl. dan. t. 467. f. 2. et Trichiam* *mem Hoffm. veg. crypt II. t. 1. f. 2.* significant.)

. *Tr. serotina Schrad.*, peridiis obovatis ... badiis, stipite fusco laevi, floccis sporidiis-... — *Trichia serotina Schrad. bot. Journ.* *I. 62. t. 3. f. 2. Fr. syst. III. 184. Tr. Botrytis* *tes Pers. syn. 176. ? Tr. notata Flor. dan. t.* *f. 2.*

truncos abietinos Hercyn. superior. (*Schrader.*) observante nuper potissimum illuxit, habitu cum ... similis, stipitis laevore et nitore ta-...)

. *Tr. pyriformis Hoffm.*, peridiis turbi-...riformibus subfasciculatis atro-rubentibus, stipi-...ertis fulvis, floccis sporidiisque crocato-fulvis. — *pyriformis Hoffm. veg. cr. l. l. t. 1. f. 1. Fr.* *I. 184. Tr. Botrytis n. Pers. syn. 176. Stemoni-formis Roth. Mucor pyriformis Leers herb. 288.*

sparsis fugacissimis sporidiisque fuscis, stipite e basi bulbillosa subulato tenello stricto penetrante. — *Stemonitis oblonga Fr. syst. III.* 159.

Ad ligna pinea putrida Hercyn. super.

2248. *St. typhoides DC.*, peridiis cylindricis utrinque obtusis gregariis hyalinis fugacissimis, stipitibus e basi substrata socialiter assurgentibus floccorumque parastadem gracilem compactam cum sporidiis concoloribus fuscescentem penetrantibus. — *Stemonitis typhoides DC. gall. II.* 257. *Ehrenb. sylv. f.* 7. *Fr. syst. III.* 158. *St. typhina Pers. obs. I.* 57., *syn.* 187. *nec Willd. Trichia typhoides Bull. champ. t.* 477. *f.* 2. *Embolus pertusus Batsch cont. I. t.* 30. *f.* 176. *Mucor Stemonitis Schaeff. bavar. t.* 297. *Clathrus nudus Flor. dan. t.* 216.

Ad ligna putrida quaecunque, Salicum praeprimis, passim.

2249. *St. ferruginea Ehrenb.*, peridiis cylindricis fugacissimis, stipitibus e basi substrata primum fluxa flavicante dein fuscescente persistente emergentibus fasciculatis floccorumque parastadem cylindricam penetrantibus s. sub apice evanescentibus, sporidiis primum albis dein puniceo-ferrugineis. — *Stemonitis ferruginea Ehrenb. sylv.* 26. *f.* 6. *Schltdl. berol. II.* 164. *Fr. syst. III.* 158. *St. violacea Schum. St. fasciculata DC. gall. II.* 256. *aliorumque. St. typhina Willd. berol. cum Tremella typhina l. l. ceu aetate fluxa. Trichia axifera Bull. champ. t.* 477. *f.* 1.

Ad truncos putres, pineos praeprimis. (Simillima sequenti, at mucilago flavicat, stipitis processus interaneus plerumque infra apicem evanescit et sporidia minora e puniceo ferruginea.)

2250. *St. fusca Roth.*, peridiis cylindricis fuscis fugacissimis, stipitibus e basi substrata valida submembranacea fusca assurgentibus capillaribus nitidis rigidis atris fasciculatis, floccorum parastadem conformem rectam penetrantibus, sporidiis magnis primum albis dein dilutius saturatiusve fuscis s. nigrescentibus. — *Stemonitis*

Ad truncos abietinos Hercyn., auctumno sero.

2221. *A. nutans Fr.*, peridiis subsessilibus cylindricis pallidis congestis, dein vertice excusso calyculum minimum enervem pellucidum relinquentibus, floccorum parastade elongata nutante sporidiisque sordide lutescentibus. — *Arcyria nutans* [illegible] *II. 254. Fr. syst. III. 190. A. flava* [illegible] *A. alutacea Schum. snell. II. 212. Stem*[illegible] *Trentep. St. nutans Gmel. Trichia nutans* [illegible] *champ. t. 502. f. 3. Sowerb. fung. t. 260.*

Ad caudices abietinos Hercyn. superioris passim.

2222. *A. straminea W.*, peridiis sparsis s. aggregatis ovato-oblongis stramineis, stipite illis triplo breviore saturatiore suffultis, floccorum parastade conformi dandalae-reticulata sporidiisque concoloribus. — *Arcyria pallens Wallr. in lit.*

Ad ligna salicina putrida Thuring., unico loco. (Speciemina legi tantum effoeta, satis insignia tamen floccorum parastade pallida, sine nitore straminea.)

2223. *A. cinerea Schum.*, peridiis stipitatis gregariis ovato-globosis cinereis dein nigrescentibus, floccorum parastade ovato cylindrica sporidiisque glauco cinerescentibus. — *Arcyria cinerea Schum. snell. II. 213.* [illegible] *et Schw. nisk. 101. Fr. syst. III. 180. Flor. dan. 1975. A. albida Pers. dispos. 10. t. I. f. 2. (rudis.) Trichia cinerea Bull. champ. t. 477. f. 3. DC. gall. II.* [illegible] *Stemonitis glauca Trentep. Clathrus recutitus L. sp.* [illegible] similibus cum priore locis, at rarius.

2224. *A. carnea W.*, peridiis sparsis ovatis cinereis, stipite brevi flavente, parastade coacto-[illegible]lata sporidiisque pallide-carneis. — *Trichia carnea Wallr. in lit.*

[illegible] equinum nemorum Thuring. (*Wallr.*) (Praesimile quidem, at stipite breviore, peridii colore [illegible] alienum.)

hiscens. Sporidia colore debili tincta cum floccis vagis lateralibus capillaribus facile profuga.

(*Lycogala Mich. Pers. ex emend. Galoperdon Wigg. hols. Fr. Liceae, Lycoperdi, Mucoris spec. auct.*)

2252. *L. miniatum Pers.*, peridiis subgregariis, primum pulposis miniato-sanguineis subglobosis pisiformibus, dein arescendo decoloribus alutaceis s. punctulis resinosis inscriptis, vertice lacero dein dehiscentibus, sporidiis nubilibus e rosa debili pallide-cinnamomeis. — *Lycogala epidendrum Fr. syst. III.* 80. *L. miniata et ferruginea Schum. saell. II.* 192. *L. miniata Pers. obs. II.* 20., *syn.* 158. *Nees syst. f.* 97. (*Junius.*) *Grev. cr. t.* 38. *Dub. gall. II.* 862. *L. punctata Nees syst. f.* 96. (*foetum*) *nec Pers. L. verrucosum Batsch. Mucor fragiformis Schaeff. bavar. t.* 193. *Lycoperdon pisiforme Linn. L. Epidendrum L. spec.* 1654. *Hall. Poll. Burb. hal. L. sanguineum Rupp. Bovista miniata Dill. Lycogala globosum Mich. gen. t.* 95. — *Flor. dan. t.* 720. *Bull. fung. t.* 503. *Sowerb. fung. t.* 52.

Ad truncos arborum, Alnorum potissimum, lignaque quaecunque irrigua, a veris initio inde ad hyemis finem vulgare. (Moles pisi, nucem majorem nonnisi attingens. Primordia miniata, pulposa, cum Lyceis cylindricis quadantenus fucum facientia, arescendo versicolora, magis minusve fuscescentia superficiemque alutaceam s. ex punctis resinosis superstitibus scabram induentia, ocius vero jam sporidia variorum colorum et debilium, pallide-rosea, cinerea s. ex albido-flaventia profundentia.)

2253. *L. conicum Pers.*, peridiis gregariis, primum pulposis miniato-rubris conicis, dein arescendo violaceo-pupurascentibus nitidis, demum verrucis in fibrillulas brevissimas solutis variegatis pallide-fuscis, vertice truncato fatiscentibus, sporidiis foetis pallide-roseis fere argillaceis. — *Lycogala conica Pers. syn.* 159. *Fr. syst. III.* 82.

Ad ligna carie exesa Hercyn., auctumno, rarissime. (Praecedentem ferme aemulatur quidem, figura exacte

conoidea tamen et superficie verrucoso-fibrillosa variegata differentiam spondere videtur.)

2254. *L. plumbeum Fr.*, peridiis sparsis, primum pulposis pallidis ovato-subglobosis, dein arescendo e cinereo plumbeis, vertice forato reclusis, sporidiis demum albo-flaventibus. — *Lycogala plumbeum Fr. syst. III.* 82. *L. cinerea Schum. saell. II.* 193.

Ad ligna abietina putria Hercyn. superior., passim. Autumno. (Differt potissimum colore peridiorum cinereo et sporidiorum magis albente, nunquam saltem rosam immiscente aeque ac dehiscendi modo magis regulari Tylostomatis instar.)

2255. *L. punctatum Pers.*, peridiis sparsis, primum pulposis globosis stramineis resinoso-punctatis, dein arescendo cinerascentibus fusco-papillatis, sporidiis pallidis. — *Lycogala punctatum Pers. syn.* 158. *Mart. crl.* 371. *nec alior.* — *Bull. fung.* t. 476. *f.* 3.

Ad truncos Thuring., rarius. (Qualem ipse hoc titulo tuli speciem Persooniano nec Friesiano, qui dubiam relinquit, accedere videtur quidem ad L. plumbeum, peridii tamen et sporidiorum colore aeque ac superficie papillosa dignoscitur.)

2256. *L. parietinum Fr.*, peridiis sparsis exiguis, primum pulposis hemisphaericis olivaceis, dein arescendo nigro-coeruleascentibus rigidis fragilibus punctatis lacero-dehiscentibus, sporidiis flaventibus. — *Lycogala parietinum Fr. syst. III.* 83. *Licea bicolor Pers. syn.* 195., *icon. t.* 3. *f.* 4. *Alb. et Schw. nisk.* 107. *Didymium parietinum Schrad. nov. gen.* 24. *t.* 6. *f.* 1.

Ad parietes lutosos calce tenuiter obductos in locis abditis, Thuring. v. c., rarius. (Descissit a reliquis peridii tegmine rigidiore ideoque fragiliore, nec non colore atramentario (*Alb. et Schw.*) vel potius e nigro coeruleascente aberrat et ex minoribus generis est.)

284. BOVISTA DILL. EMEND. *Lappenstaubling.*

Peridium globosum papyraceum, tegmen externum primum aduatum cellulosum dein in squamas fatiscendo

sparsis fugacissimis sporidiisque fuscis, stipite e basi bulbillosa subulato tenello stricto penetrante. — *Stemonitis oblonga Fr. syst. III.* 159.

Ad ligna pinea putrida Hercyn. super.

2248. *St. typhoides DC.*, peridiis cylindricis utrinque obtusis gregariis hyalinis fugacissimis, stipitibus e basi substrata socialiter assurgentibus floccorumque parastadem gracilem compactam cum sporidiis concoloribus fuscescentem penetrantibus. — *Stemonitis typhoides DC. gall. II.* 257. *Ehrenb. sylv. f.* 7. *Fr. syst. III.* 158. *St. typhina Pers. obs. I.* 57., *syn.* 187. *nec Willd. Trichia typhoides Bull. champ. t.* 477. *f.* 2. *Embolus pertusus Batsch cont. I. t.* 30. *f.* 176. *Mucor Stemonitis Schaef. bavar. t.* 297. *Clathrus nudus Flor. dan. t.* 216.

Ad ligna putrida quaecunque, Salicum praeprimis, passim.

2249. *St. ferruginea Ehrenb.*, peridiis cylindricis fugacissimis, stipitibus e basi substrata primum flava flavicante dein fuscescente persistente emergentibus fusci-

2260. *B. plumbea P.*, peridio globoso nuciformi papyraceo flexili plumbeo-caesio, demum praeter basin residuam corticem exuente verticemque angustum recludente, sporidiis primum pulposis rubentibus, foetis fuscescentibus. — *Bovista plumbea Pers. obs. I.* 5., *syn.* 137. *pr. pr. Fr. syst. III.* 24. *Dub. gall. II.* 854. *B. pusilla Pers. syn.* 138. (*forma minor.*) *B. furfuracea Pers. l. l.* (*junior.*) *Lycoperdon furfuraceum Batsch elench. t.* 145. *L. sphaericum Mich. gen. t.* 97. *f.* 6.

In montium promontoriis sterilibus Thuring., haud rara. (Praecedente minor, nucem avellanam aequans, exacte globosa; pulpa primum rubescens.)

2261. *B. tunicata Fr.*, peridio globoso papyraceo flexili plumbeo-gryseo lacero-dehiscente, extus membrana tenuissima discreta tunicato, sporidiis olivaceo-fuligineis, floccis tortuosis acutissimis inspersis. — *Bovista tunicata Fr. syst. III. B. plumbea Pers. l. l. pr. pr.*

In clivis graminosis ad terram sterilem, Thuring. v. c. passim. (Praecedentem fere refert, peridio tenuiore, magis laevigato, plumbeo, membrana hyalina obducto eoque quasi tunicato tamen differre videtur.)

285. LYCOPERDON TOURN. *Flockenstaeubling.*

Peridium e basi aequali producta subglobosum, tegmen externum contignum furfuraceum s. verrucosum fugax varie dehiscens, internum membranaceum persistens, vertice tenuato regulariter rumpens. Sporidia globosa simplicia laxa concervata, floccorum a lateribus saepius secedentium parastadem compactam e basi inde assurgentem conicam obstruentia.

(*Lycoperdon Tournef. pr. pr. Pers. et auct. Lycoperdi et Bovistae sp. Linn. et auct.* (A Bovista genere, cui *Nerstus* nuper subscripsit, peridio tenero, mollissimo, a vertice inde caduco, cyathum, ut ita dicam, fomentarium ipsis sporidiis globosis caudatis demum denudatum relinquente diversum.)

† *pachypodes, peridii acaulis globosi vertice molli, dein caduco cupulari, floccis parcis fugacibus.*

2262. *L. Bovista L.*, peridio globoso acauli insigni saepe giganteo verticemque areolatim dehiscente sensim exuente basinque obconicam plicatam cyathoden dimidiatam relinquente, cortice floccoso subdiscreto, sporidiis olivaceo-fuligineis cum floccis parcis ocius jam fugacibus. — *Bovista gigantea Nees syst. f.* 124. *Dub. gall. II.* 854. *Lycoperdon Proteus Sowerb. fung. t.* 332. *L. giganteum Batsch fung. t.* 165. *Pers. syn.* 140. *DC. gall. II.* 264. *Flor. dan. t.* 1920. *L. Bovista L. spec.* 1653. *pr. pr. (saltem ex synon.) Bull. fung. t.* 447. *Fr. syst. III.* 29. *L. maximum Schaeff. bavar. t.* 191. *Bovista maxima Dill. Bovista J. Bauh. hist. III.* 111. *Clus. hist.* 286.

In promontoriis pinguioribus pratisque editioribus, v. c. Thuring., passim suisque, aestate exeunte locis. (Insigniter variat a bulbi ad cranii humani (*Fungus rotundus orbicularis, capitis pueri magnitudine C. Bauh. pin.* 375.) vel modii molem giganteamque formam s. *ma crocephalam, Friesio* teste, ulnas duas pondusque librarum succic. 18. facientem, suis locis, v. c. auf dem Straussberge, an der Rothenburg) profert. Saucius fungus daedaleas profecto adfectat formas, ex quarum numero *Lycoperdon quadricorne Sw. act. holm.* 1815. *p.* 123. innotuit.)

2263. *L. caelatum Bull.*, peridio obconico-turbinato amplo pallescente, verticem flaccum in squamas latiusculas tessellatim rimosas dehiscentem demum exuente basinque obconicam plicato-scrobiculatam cupularem dimidiatam relinquente, sporidiis fuligineo-lutescentibus cum floccis parcius interspersis liberis aufugis. — *Lycoperdon Bovista Pers. syn.* 141. *Nees syst. f.* 125. *L. caelatum Bull. fung. t.* 430. *DC. gall. II.* 264. *Dub. gall. II.* 855. *L. gemmatum, areolatum et papillatum Schaeff. bavar. t.* 186. 189. 190. *Bovista officinarum Dill. Raj. Lycoperdon Vaill. paris. t.* 16. *f.* 4. *Fungus semiorbicularis Dodon. Mentz. pug. t.* 6. *Clus. hist.* 287.

In promontoriis collinis Thuring. minime raro. (Praecedente plerumque minus, vertice flacco facile caducum cupulamque obconicam satis crassam, auctumni tempore relinquens. Sporidiorum farcimen pro varia aetate varium proferre solet colorem: hinc var. *vitellina*, peridio sporidiisque vitellinis (*Lycoperdon vitellinum Fr. symb.* 7.) et var. *fusca*, sporidiis floccisque fuscis, passim intercurrunt ex metamorphosi subeunte.)

2264. *L. pusillum Batsch*, peridio globoso obtuso tuto flaccido persistente, verticis ore angustato dehiscente, tegmine externo laevigato dein rimoso adpresse-squamoso, basi sterilescente obsoleta cum floccis collapsis contigua, sporidiis olivaceis. — *Lycoperdon pusillum Batsch fung. cont. II. f.* 228. *Fr. syst. III.* 33. *Bovista pusilla Pers. syn.* 138. *L. ericetorum Desv. L. pratense Schum. L. Bovista Bolt. fung. t.* 117. *L. lacerum Batsch. L. cepaeforme Bull. fung. t.* 436. *f.* 2. *pr. pr. L. furfuraceum Schaeff. bavar. t.* 294. — *Mich. gen. t.* 97. *f.* 3.

In agris sterilibus arenosis post messem minus frequenter, v. c. Hereyn. infer. (Sessile, pro parte sub terra defossum, pisi nucisque molem aequans, globosum primum osculoque exiguo prominulo nec tamen umbonato reclusum, a reliquis cupularibus prorsus alienum, hinc Bovistis recentiorum affine et cautius a L. verrucoso satis polymorpho dignoscendum.)

†† *brachypodes, peridiis globosis in basin turbinatam abrupte exeuntibus, fere tubaeformibus, primum pulposis dein membranaceis, e vertice scisso floccos densos persistentes elasticos monstrantibus sporidiaque profundentibus.*

2265. *L. granulatum W.*, peridio subgloboso in basin plicatam attracto membranaceo fusco duriusculo fragili, tegmine continuo in verrucas exiguas tessellatas asperas contracto, floccorum parastade basilari compacta obovata, sporidiis cinereo-olivaceis.

In ericetis nemorosis Thuring. (*Wallr.*) (Bovistam

nuciformem mole ac figura, colore et superficie Ceraunium granulatum refert.)

2266. *L. saccatum Fr.*, peridio infra verticem rotundatum depressum in collum abrupte constricto s. pileato turbinatove scarioso, tegmine tenui obtecto, vertice in areolas dehiscente, demum dilute-fuscescente, floccorum parastade persistente constipata, a basi inde collum penetrante elastica, sporidiis umbrino-fuligineis. — *Lycoperdon saccatum Fr. syst. III. 35. Flor. dan. t. 1139. L. boletiforme Pers. L. gemmatum et excipuliforme auct. L. medium Vaill. Bocc. mus. t. 306. f. 1.*

In dumetis collinis promontoriorum patruerum nemoribusque caeduis. (Cautius dignoscendam praecipit *Friesius*, cum sequente facile commutandam speciem: peridio ad collum constricto veluti pileato, praeter corticem tenuiter granulatum externum ex membranula scariosa diutis persistente conflato et floccis compactis elasticis illud totum infarcientibus.)

2267. *L. pyriforme Rupp.*, peridiis subfasciculatis umbonatis in basin brevem abrupte tenuatis pyriformibus membranaceis helvolis, verrucis exiguis fuscis distinctis dein caducis inscriptis, floccis demum a latusculis secedentibus parastademque centralem conicam compactam relinquentibus, sporidiis olivaceo-fuscis. — *Lycoperdon pyriforme Rupp. jen. 304. Bull. fung. t. 32. Dub. gall. II. 854. Pers. syn. 148. Fr. syst. III. 38. L. Bovista β. pyriforme Wahlenb. suec. II. 1023. L. ovoideum Bull. t. 435.*

Ad latera montium declivium nec non ad truncos putridos Thuring. et Hercyn. inferior. passim. (Peridia plerumque aggregata ex mycelio rhyzode protenso subeuntia (*Lycoperdon ramosum Jacq. austr. t. 224. Flor. dan. t. 1680.*), demum helvola ex verrucis uberrimis minutis inscripta potius fuscescentia nec in areolas divulsa, nonnisi vero spinulis brevibus inde succrescentibus obsita.)

2268. *L. verrucosum Rupp.*, peridio subgloboso vario, saepius tamen abrupte in basin longiorem producto, demum membranaceo, tegmine farinaceo in verrucas stellatas dispanso inque spinulas caducas abeunte superfuso lisque evanidis scarioso cinerascente, floccorum parastade basiliari subrotunda compacta, sporidiis viridifuscis. — *Lycoperdon gemmatum Batsch. Fr. syst. III.* 36. *L. Bovista Bolt. t.* 117. *Wahlenb. succ. II.* 1023. *L. Proteus Bull. t.* 143. *DC. gall. II. L. verrucosum Rupp. jen.* 356.

α. excipuliforme, peridio subrotundo, basi elongata subcylindrica duplo longiore tenuiter plicata suffulto, vertice verrucoso-gemmato spinulosove. — *Lycoperdon gemmatum α. excipuliforme Fr. l. l. L. excipuliforme Scop. Schaeff. bavar. t.* 187. *Pers. syn.* 143. *Nees syst. f.* 126. — *Vaill. bot. t.* 12. *f.* 15.

β. perlatum, peridio rotundato depresso basi tereti scabriuscula suffulto, vertice verrucis compactis demum caducis areolas pentagonas dilutiores relinquentibus obsito. — *Lycoperdon gemmatum β. perlatum Fr. l. l. L. nigrescens Pers. (vetus.) L. perlatum Pers. obs. I.* 4., *syn.* 148. *L. hirtum Bull. t.* 475. *L. gemmatum Batsch. Flor. dan. t.* 1120. — *Vaill. bot. t.* 12. *f.* 16.

γ. furfuraceum, peridio turbinato, vertice in verrucas majores depressas dispanso. — *Lycoperdon gemmatum η. furfuraceum Fr. l. l. L. molle Pers. obs. II.* 70., *syn.* 150. *Dub. gall. II.* 854.

δ. papillatum, peridio subsessili subrotundo, vertice furfuraceo-papilloso. — *Lycoperdon gemmatum ζ. papillatum Fr. l. l. L. papillatum Schaeff. bavar. t.* 184. *L. pratense Pers. pr. pr. Dub. gall. II.* 855. *L. cepaeforme Chevaill.*

η. hirtum, peridio subsessili turbinato, vertice verrucis mollibus tenuibus (plerumque nigrescentibus) hirto. — *Lycoperdon gemmatum δ. hirtum Fr. l. l. L. hirtum Mart. crl.* 386. *L. umbrinum β. hirtum Pers. syn.* 148.

ζ. *echinatum*, peridio turbinato verrucis spinosis validioribus sparsis horrido. — *Lycoperdon gemmatum* γ. *echinatum Pers. syn.* 147. *Schum. Dub. L. pyriforme auct.*

In nemoribus caeduis, fagetis potissimum (Thuring. et Hercyn.) ubertim. (Species distincta at peridii figura et superficie valde varians, ab auctoribus autem praeter *Friesium* perperam interpretata, a reliquis tegmine furfuraceo dispanso ibique in verrucas spinulasve abeunte, membranam scariosam areolatam relinquente, facile dignoscenda.)

2269. *L. constellatum Fr.*, peridio obovato membranaceo persistente, tegmine aculeato fusco-reticulato dein caduco, floccis laxis sporidiisque fusco-purpureis. — *Lycoperdon constellatum Fr. symb.* 7., *syst. III.* 39. *L. umbrinum Flor. dan. t.* 1800.

In altis fagetorum penetralibus Hercyn. inferior. (*Wallr.*) (Caute a L. gemmati formis echinatis dignoscendum: peridii te gminein aculeos confertos acutos, habitum horridiorem sponlentes producto iisque evanidis, Colubri instar, fusco-reticulato.)

2270. *L. utriforme Bull.*, peridio elato obtuso sensim in basin praelongam obesam cylindricam subaequalem abeunte, primum albo, dein helvolo s. lutescente, tegmine floccoso concolore diu persistente in spinulas tenues s. e basi latiore floccosas abeunte undique superinfuso, floccorum parastade tenerrima compacta illud infarciente, sporidiis terreo-fuscis. — *Lycoperdon utriforme Bull. champ. t.* 450. *f.* 11, *DC. gall. II.* 263. *Dub. gall. II.* 855. *?Bovista uteriformis Fr. syst. III.* 25.

Ad terram nudam nemorum caeduorum apricorum v. c. prope Breitenstein Hercyn. infer. (Quamvis minus nota, distinctissima tamen tum differentiis l. tum proceritate insigni spithamea fere et amplitudine baculi.)

286. TYLOSTOMA PERS. *Spyndstaeubling.*

Peridium globosum papyraceum, tegmine farinaceo caduco obductum, stipite proprio suffultum, verticis ceu-

tro osculo circinato-figurato pertusum. Sporidia microscopica globosa in globos majores collecta, floccis peridio adnatis arachnoideis excepta.

(Tulostoma Pers. et auct., rectius Tylostoma cum Sprengelio. Lycoperdon Tourn. Mich. L.)

2271. *T. mammosum Fr.*, peridii globosi osculo mammoso prominulo integro, stipite aequali subsquamoso fistuloso recto unciali. — *Tulostoma mammosum Fr. syst. III.* 42. *T. brumale DC. gall. II.* 269. *Nees syst.* 130. *Flor. dan. t.* 1740. *f.* 1. *Dub. gall. II.* 855. *Lycoperdon pedunculatum L. sp.* 1654. *Bull. t.* 294. 471. *f.* 2. *Mart. crl.* 389. *L. parisiense Tournef. inst. t.* 331.

β. squamosum, stipite imbricato-squamoso. — *Lycoperdon palmatum Batsch. L. squamosum Gmel. Tulostoma squamosum Pers. syn.* 139. — *Mich. gen. t.* 97. *f.* 3.

In campis arenosis rarius, v. c. agri hannover., gotting., erlang. *(Martius)*, lipsiens. *(Schreber*, qui sporidia caudata laudat) et alibi.

2272. *T. fimbriatum Fr.*, peridii globosi osculo plano saturatius tincto helvolo-fusco ciliato-fimbriato, stipite aequali farcto nudiusculo. — *Tulostoma fimbriatum Fr. syst. III.* 43. *Lycoperdon brumale Pers. syn.* 139. *Wahlenb. suec.* 1024. *L. pedunculatum auct. pl. Batsch elench. f.* 167.

In promontoriis et aggeribus limosis, tectorum grumis Thuring. rarissime, v. c. circa Heringam, brumae tempore. *(Friesii* fide utramque simillimam distinxi, meamque stipite farcto, longiore, robustiore, osculo obtusissimo, fimbriis ciliatis facile demum deciduis deplanato sporidiisque pallidioribus pro suo agnovi.)

287. GEASTER MICH. *Sternstaeubling.*

Peridium globosum primum clausum stratisque duplicibus distinctis compositum, exteriore carnoso volvato dein stellatimque fisso, stromatis vices veluti agente, ab interiore globoso centrali papyraceo vertice dehiscente,

reclinato basique substrato. Flocci laxi peridio undique adnati. Sporidia majuscula sphaerica.

(Geaster Mich. Fr. Geastrum Pers. Lycoperda geastra Woodw. Myriostoma et Plecostoma Desv. Actinodermium Nees.)

† *plecostomata, ore conico elongato pectinato striato. (Geastra ore coronato Mich.)*

2273. *G. fornicatus Fr.*, peridii tegmine externo subquadrifido testaceo revoluto-fornicato, interno globoso stipitato rufescente, ore conico striato. — *Geaster fornicatus Fr. syst. III.* 12. *Geastrum quadrifidum DC. gall. II.* 267. *Nees fung. f.* 128. *Dub. gall. II.* 853. *Mart. erl.* 387. *Lycoperdon volva reflexa Schmid. icon. t.* 37. *(var. minor et major.) L. fenestratum Batsch elench. f.* 168. *L. coronatum Schaeff. bavar. t.* 183. *L. fornicatum Huds. Woodw. Sowerb. fung. t.* 198.

Ad terram pinetorum, super folia coniferarum compacta, v. c. agri erlang. *(Martius)*, berolin. *(Schltdt.)* halens. *(Wallr.)* et aliis procul dubio Germaniae locis. Autumno. (Peridii exterioris radii plerumque quaternatim, saepius etiam pluries *(var. multifida Schmid. l. l. f.* 11-14. *G. multifidum Pers. disp. G. pectinatum Pers. syn.* 133.) fissi.)

2274. *G. striatus DC.*, peridii tegmine externo tenui membranaceo multifido explanato, interno punctulato umbrino sphaerico substipitato, ore conico elongato acuminato striato. — *Geaster striatus Fr. syst.* 13. *G. striatum DC. gall. II.* 853. *G. coronatum β. Pers. syn.* 132. *G. multifidum Schreb. spic.* 113. *Pers. l. l. G. pectinatum Schtldt. berol. II.* 167. *Lycoperdon pedicellatum Batsch elench. f.* 151. *Willd berol.* 413. — *Mich. gen. t.* 100. *f.* 3.

β. minimus, tegmine peridii externo pauci-radiato, interno subconoideo globoso pallido. — *Geastrum minimum Chevaill. par.* 360. *t.* 10 *f.* 3. *nec Schwein. G. badium Pers. in Desv. journ. bot.* 1809. *t.* 9. *p.* 27.

In ericetis arenosis rarissime, v. c. agri berol. (*Willdenow. Schlechtendal.*)

†† *schizostomata, ore fimbriato-ciliato depresso plano s. late conico canescente.* (*G. ore fimbriato Mich.*)

2275. *G. limbatus Fr.*, peridii tegmine externo coriaceo testaceo multifido explanato, interno stipitato globoso umbrino-nigricante, ore depresso acutiusculo fimbriato-piloso. — *Geaster limbatus Fr. syst. III.* 15. *Geastrum multifidum DC. gall.* 267. *Dub. gall. II.* 853. *Grev. cr. t.* 306.; *var. β. Pers. syn. G. coronatum Pers. syn.* 132. *Lycoperdon volvam explanans Schmid. icon. t.* 46. *L. stellatum Huds. Sowerb. fung. t.* 312.

In pinetis editioribus, Hercyn. v. c.

2276. *G. fimbriatus Fr.*, peridii tegmine externo multifido explanato flacco, interno sessili, ore indeterminato fimbriato-piloso. — *Geaster fimbriatus Fr. syst. III.* 16. *Lycoperdon Geaster Batsch elench. f.* 151. *Willd. berol.* 472. — *Mich. gen. t.* 100. *f* 2.

Ad terram nudam nemorum editiorum Hercyn. inferior. (*Wallr.*), agri berolin. (*Willdenow*) et alibi rarius. (Tegmen externum dein in lacinias ovatas s. obovatas fissum, flaccum explanatum; interioris vertex in osculum piloso-fimbriatum reclusus.)

2277. *G. mammosus Chev.*, peridii tegmine externo aequaliter multipartito, supra castaneo, subtus argenteo rigido hygrometrico, interno sessili depresso, ore in disco circulari conico-acuto ciliari. — *Geaster mammosus Fr. syst. III.* 17. *G. mammosum Chevaill. par.* 359. *G. hygrometricum β. Pers. syn.* 135. *Lycoperdon corallinum Batsch elench. f.* 151. — *Mich. gen. t.* 100. *f.* 3.

Ad terram sterilem schistosam quercetorum collinorum Hercyn. v. c. inferior., prope Breitungen comit. Roslaens. Autumno sero. (Majusculus; radii inflexi, siccando reflexi, eximie hygrometrici.)

††† *odontostomata, ore dentato determinato, ciliis non distinctis.*

2278. *G. rufescens Pers.*, peridii tegmine externo multifido demum revoluto, interno sessili nudo, ore dentato. — *Geaster rufescens Fr. syst. III.* 18. *Geastrum rufescens Pers. syn.* 134. *Alb. Schw. nisk.* 79. *Flor. dan. t.* 1433. *Lycoperdon recolligens Sowerb. L. volvam reflectens Schmid. icon. t.* 43. 53. *L. stellatum L. spec.* 1653. *Poll. Schaeff. bavar. t.* 182.

In pinetis ad terram nudam variis German. locis passim, auctumno. (Varietates majores et minores intercurrunt.)

2279. *? G. stellatus W.*, peridii tegmine externo tenui explanato s. involuto 7–10 radiato pallido demum caduco, interno subsessili globoso viridulo. — *Lycoperdon multifidum Schreb. spic.* 113. *L. stellatum Oed. fl. dan. t.* 360.

In muris argillaceis Schoenfeldicis agri lipsiens. inter muscos, auctumno et hyeme. (*Schrebero* auctore certissimo laudavi, qui simul sporidia caudata indicat. Denuo indagandus.)

†††† *actinostomata, ore substellatim fisso glabro nec prominente, peridio sessili firmo magis fere ligneo. (Sterrebeckia Lk. Actinoderma Nees. Geastra ore stellato Mich.)*

2280. *G. hygrometricus Pers.*, peridii tegmine externo crasso rigido multipartito inflexo carnoso, supra cinereo-fuscescente demum rimoso s. areolato, subtus laevi albo, interno sessili vellere albo obducto rarius calvo depresso globoso nuciformi irregulariter dehiscente. — *Geastrum hygrometricum Pers. syn.* 135. *excl. var. DC. gall. II.* 268. *excl. syn. quibsd. Mart. crl.* 388. *Nees syst. f.* 127. *Dub. gall. II.* 853. *Fr. syst. III.* 19. *Lycoperdon volvam recolligente Schmid. icon.* 101. *t.* 27. *L. stellatum Scop. carn. II.* 489. *excl. syn. Bull. t.* 138. *pr. pr. Willd. berol.* 412. *Gleditsch meth. t.* 6. — *Mich. gen. t.* 100. *f.* 4. 6.

Ad terram sterilem schistosam quercetorum collinorum, auctumno, v. c. circa Breitungen (*Wallr.*), agri erlang. (*Persoon, Martius*), agri berolin. (lusus calvus), (*Beyrich*), et alibi rarius. (Polymorphus et forsan ad peridii superficiem nunc villosam nunc glaberrimam ad species duplices revocandus.)

C. *Naucogasteres, peridiis corticatis duris clausis, sponte saltem non dehiscentibus, veluti naucosis, intus primum farcimine pulposo, dein in sporidia floccis transversis, nec in parastadem centralem collectis intercepta, inquinantia mutata foetis.*

(*Gasteromycetes trichogasteres sclerodermei Fr. Lycoperdaceorum genera Brongn. Dub.*)

288. SCLERODERMA PERS. *Fellstaeubling.*

Peridium globosum firmum adnato-corticatum clausum omnino s. irregulariter fatiscens. Flocci e latere interno porrecti, dissepimenta angusta cellulosa mentientes, cum sporidiis interjectis primum compacti, demum soluti, fuliginosi.

(*Scleroderma Pers. Lk. et auct. Lycoperdastra Mich.*)

2281. *S. vulgare Fr.*, peridio globoso insigni saepius difformi sessili, in basin deplanato citrino durissimo, vertice areolato-verrucoso diutius clauso sordide-albo s. lutescente, primum pulpa atro-coerulescente, dein sporidiis fuligineis, septis floccosis albo-gryseis interceptis foeto. — *Scleroderma vulgare Fr. syst. III. 57. Flor. dan. t. 1969. f. 2. Scl. squamatum Chevaill. Scl. citrinum, Cepa et spadiceum Pers. syn. 153 (varietates.) Scl. aurantium Pers. l. l. excl. syn. L. Lycoperdon tessellatum Schum. saell. II. 191. L. aurantiacum Bull. champ. t. 270. nec. L. Sowerb. t. 268. L. cervinum Bolt. t. 116. L. majus Vaill. par. t. 16. f. 8.*

In pinetis nostratibus minime raro. Auctumno.

2282. *S. Bovista Fr.*, peridio subrotundo s. obovato subsessili difformi molli inaequabili floccoso sordide

luteo s. pallide fuscescente, vertice areolato-tessellato s. rimoso, floccis flavescentibus, sporidiis olivaceis fuligineis. — *Scleroderma Bovista Fr. syst. III.* 48. *Lycoperdon defossum Batsch cont. II. f.* 229. *L. polyrhizum Batsch elench.* 147. — *Mich. gen. t.* 99. *f.* 2.

In campis arenosis German. borealis ipsiusque agri halens. passim. Auctumno. (Differt a praecedente, cui simile, peridio molliore, dein vero magis rigente et fragiliore, pulpa magis butyracea flavente, dein in sporidia olivacea septis lutescentibus intercepta conversa.)

2283. *S. macrorrhizon W.*, peridio rotundo magno coriaceo helvolo, in basin myceliis latescentibus implexis longis ramosis albis fibrillosis sustentatam abrupte finientibus, verticis epidermide scissa tenuiter areolata, floccis pallide-flavescentibus, sporidiis olivaceo-viridibus. — *? Scleroderma vulgare β. macrorrhizum Fr. l. l.*

Ad terram glareosam tersam arearum hortensium northusan., auctumno. (Mycelia e basi latescente sensim tenuata, in fasciculum comosum implexa peridium, Mytremycetis instar elevant, nec ex terrae sed ex naturae conditione profiscuntur.)

2284. *S. verrucosum Pers.*, peridio rotundato duro subverrucoso in basin brevem stipitiformem producto, verticem versus magis tenuato fragili subspadiceo, pulpa atro-purpurascente, floccis sporidiisque fuscis. — *Scleroderma verrucosum Pers. syn.* 154. *Grev. cr. t.* 48. *Fr. syst. III.* 49. *Lycoperdon spadiceum Nees syst. f.* 123. *nec Pers. Schaeff. bav. t.* 188. *L. defossum Sowerb. t.* 311. *L. verrucosum Bull. t.* 24. *DC. gall. II.* 265. *Schaeff. bav. t.* 184. — *Mich. gen. t.* 99. *f.* 3. *Vaill. paris. t.* 16. *f.* 7.

β. minus, peridio reniformi sessili. — *Scleroderma spadiceum auct. Lycoperdon dispar Batsch.*

In campis pinetisque arenosis vulgare.

2285. *S. areolatum Ehrenb.*, peridio depresso-globoso sequunciali flavo-fusco in mycelia brevia rhizoi-

In ericetis arenosis rarissime, v. c. agri berol. (Willdenow. Schlechtendal.)

†† *schizostomata*, ore fimbriato-ciliato depresso plano s. late conico canescente. (G. ore fimbriato Mich.)

2275. *G. limbatus Fr.*, peridii tegmine externo [illegible] testaceo multifido explanato, interno stipitato [illegible] umbrino-nigricante, ore depresso acutiusculo [illegible]-piloso. — *Geaster limbatus Fr. syst. III. 15. Geastrum multifidum DC. gall. 267. Dub. gall. II. 853. Gron. ar. t. 206.; var. β. Pers. syn. G. coronatum Pers. syn. 132. Lycoperdon volvam explanans Schmid. icon. t. 46. L. stellatum Huds. Sowerb. fung. t. 312.*

In pinetis editioribus, Hercyn. v. c.

2276. *G. fimbriatus Fr.*, peridii tegmine externo multifido explanato flacco, interno sessili, ore indeterminato fimbriato-piloso. — *Geaster fimbriatus Fr. syst. III. 16. Lycoperdon Geaster Batsch elench. f. 151. Willd. berol. 472. — Mich. gen. t. 100. f 2.*

Ad terram nudam nemorum editiorum Hercyn. inferior. (Wallr.), agri berolin. (Willdenow) et alibi rarius. Tegmen externum dein in lacinias ovatas s. obovatas [illegible], flaccum explanatum; interioris vertex in oscu[illegible] piloso-fimbriatum reclusus.)

2277. *G. mammosus Chev.*, peridii tegmine ex[illegible] sequaliter multipartito, supra castaneo, subtus ar[illegible] rigido hygrometrico, interno sessili depresso, ore [illegible] circulari conico-aceto ciliari. — *Geaster mam[illegible] Fr. syst. III. 17. G. mammosum Chevaill. par. [illegible] G. hygrometricum β. Pers. syn. 135. Lycoperdon [illegible] Batsch elench. f. 151. — Mich. gen. t. [illegible] f. 2.*

[illegible] terram sterilem schistosam quercetorum collino[illegible] Hercyn. v. c. inferior., prope Breitungen comit. [illegible]. Auctumno sero. (Majusculus; radii inflexi, [illegible] reflexi, eximie hygrometrici.)

notuit. Fungum ex semine cervorum nasci cervosque eundem inter aphrodisiaca eligere, patres fabulantur quidem ridiculi, nec tamen rationem ad titulum, a *Neesio* fictum confirmant, quem dudum cum Eresio meo restitui sacrosanctum. Sues potius vescuntur.)

2287. *C. granulatum W.*, peridio subrotundo s. depresso, mole vario, strati externi intus citrini superficie pallide-fuscescente papulis adpressis minutis tessellato-granulata, interno carneo-pallente, sporidiis majusculis globosis opacis purpureo-nigricantibus, trabeculis ramosis fibrillosis carneo-fuscescentibus flocculorum brevium ope appensis. — *Klaphomyces granulatus Nees. Fr. syst. III.* 584 *Phymatium fulvum Chevaill. par.* 361. *Scleroderma cervinum Pers. syn.* 156., *var. granulata Alb. et Schw. nisk.* 81. *Lycoperdon cervinum L. sp. II.* 1653. — *Weinm. phyt. t.* 524. *Mich. gen t.* 99. *f.* 4. 4. *Tubera cervina Lob. ic. t.* 276.

Sub humo laxa coryletorum et pinetorum in promontoriis nemorensibus Hercyn. infer. v. c. suis locis satis abundanter. (Variat figura, mole, colore tegminis externi, nonnisi ab interno neque minus vario et in membranulam villosam carneo-fuscam saepius deliquescente, corticis instar sponte secedentis papillarum conicarum minutissimarum aspritiem alutaceam praestantium ratione et sporidiorum majusculorum distinctorum colore nigro-violaceo.)

2288. *C. scabrum W.*, peridio subrotundo nuciformi, tegminis externi intus flavi superficie papulis verrucosis conicis angulatis truncatis scabra sramineo-helvola, sporidiis exiguis violaceo-fuscis cum floccis albis interjectis conglobatis. — *Klaphomyces scaber Wallr. in lit. E. cervinus. β. Schltdl. berol. II.* 166. *Lycoperdon scabrum Willd. berol.* 409. *t.* 7. 19.

Sub terra pingui in promontoriis collinis Thuring., auctumno. (A praecedente certo diversa sp., superficie scabra, colore helvolo magis, sporidiis duplo minoribus

duplices revocandus.)

Nanogasteres, peridiis corticatis duris
, sponte saltem non dehiscentibus, veluti nanco-
ae primum farcimine pulposo, dein in sporidia
transversis, nec in parastadem centralem colle-
tercepta, inquinantia mutata foetis.

asteromycetes trichogasteres sclerodermei Fr. Ly-
leacearum genera Brongn. Dub.)

SCLERODERMA PERS. *Fellstaeubling.*

idium globosum firmum adnato-corticatum clau-
mine s. irregulariter fatiscens. Flocci e latere
o porrecti, discophaenta angusta cellulosa mentien-
um sporidiis interjectis primum compacti, demum
, fuliginosi.

lerodermae Pers. Lk. et auct. Lycoperdastra Mich.)

S. vulgare *Fr.*, peridio globoso insigni sae-
ifformi sessili, in basin deplanato citrino durissimo,
e areolato-verrucoso diutius clauso sordide-albo s.
ente, primum pulpa atro-coerulescente, dein spo-
fuliginosis, septis floccosis albo-gryseis interceptis

luteo s. pallide fuscescente, vertice areolato-tessellato s. rimoso, floccis flavescentibus, sporidiis olivaceis fuliginosis. — *Scleroderma Bovista Fr. syst. III. 48. Lycoperdon defossum Batsch cont. II. f. 229. L. polyrrhizum Batsch elench.* 147. — *Mich. gen. t. 99. f. 2.*

In campis arenosis German. borealis ipsiusque agri halens. passim. Auctumno. (Differt a praecedente, cui simile, peridio molliore, dein vero magis rigente et fragiliore, pulpa magis butyracea flavente, dein in sporidiis olivacea septis lutescentibus intercepta conversa.)

2283. *S. macrorrhizon W.*, peridio rotundo magno coriaceo helvolo, in basin myceliis latescentibus [illegible] longis ramosis albis fibrillosis sustentatam abrupte finientibus, verticis epidermide scissa tenuiter areolata, floccis pallide-flavescentibus, sporidiis olivaceo-viridibus. — *? Scleroderma vulgare β. macrorrhizum Fr. l. l.*

Ad terram glareosam tersam arearum hortensium northusan., auctumno. (Mycelia e basi latescente sensim [illegible]

den complexa finiente, areolis saturatioribus minimis elegantor tessellato, sporidiis dilute fusco-purpurascentibus globosis minutis. — *Scleroderma areolatum Ehrenb.* spin. 15. n. 27. *Schltdl. berol.* 167.

In campis umbrosis agri berolin. ipsisque hort. bot. areis (*Ehrenberg*), agri halens. (*Wallr.*) (*Friesius praesedenti subscripsit habitu satis alienum.*)

289. BULLARDIA JUNGH. *Bulliard's-Staeubling.*

Peridium naucosum nuciforme arrhizum, cortice testaceo fragili obductum, intus sporidiorum farcimine, primum pulposo dein fuligineo inquinante, membranulis semet invicem excipientibus, cavernulasque fibris teneris ramosis exstructas informantibus intercepto foetum.

2286. *B. inquinans Jungh.*, peridio subterraneo naucoso nuciformi majusculo rotundo laevi fusco-atro, fibrillis radicalibus parcis arcte adpressis vestito, intus sporidiis globosis atris inquinantibus foeto. — *Bullardia inquinans Junghuhn in Schltdl. Linn.* 1830. p. 408. ? *Tuber moschatum Bull. t.* 479. *Dub. gall. II.*

In sacyletis udis Hercyn. superioris et inferioris, autumno, maxime Hyadibus faventibus. (*Junghuhn.*) Odorem subdulcem, haud ingratum spirat, fere aromaticum nec tamen moschum redolet. Sapor dulcissimus.)

290. CERAUNIUM THEOPHR. *Staubtrüffel.*

Peridium sphaericum subterraneum arrhizum naucosum subcoriaceum (exsiccando) lignescens bicorticatum, intus trabeculis fibrillosis ramosis a latere utroque portis, sporidiis majuscula rotunda, primum conglobata in latere disposita inquinantia intersinguentibus inductum.

(*Phymatium Chevaill. Elaphomyces Nees. Fr. Scleroderma sp. Mich. Pers. Lycoperdastrum auct. act. Tuberis sp. Plin. Tournef. Nees syst. Ceraunion Pr. in lit.* 1815. *Κεραυνιον Theophr.*) (Antiquitus in-

dochii) reconditam et exceptam, nunc nudam plane nec margine proprio septam (*H. gymnospori*), ascomatis amorphi s. in clavae, mitrae, volvae modum figurati faciem superiorem (*H. gymnospori peridochii*) inferioremve (*H. hypodochii*) crustae contiguae instar expansam, vel in tubulos pervios, subulas farctas, lamellas, ex natura deorsum propexas pileisque subtus appensas succrescentem, investientibus foeto insignia, mole quidem et habitus externi concinnitate totius classis culmen ipsamque cum vegetabilibus perfectioribus analogiam appellantia, nec tamen partium propagationi inservientium illasque concipientium apparatu attingentia.

(*Hymenomycetes pileati, clavati, mitrati, cupulati, tremellini et Gastromycetum angiogasterum ordo tuberaceorum Fr. Hymenomyc. tribus phacidiaceorum Fr. Dub. Fungorum ordines: clavati, explanati, pileati, uterini Nees, Martius. F. tremellini Dub. F. gastromyci heterocliti, sporomesti et rhantispori Lk. Sarcomycetes Lk. sp. F. hymenothecii, agaricoidei, botetoidei, hydnoidei, gymnocarpi, lithothecii Pers. syn*).

A. angiosporî, ascomatibus sessilibus stipitatisve colore, substantia et mole variis, vertice primum sive ex velamine obturatorio dein varie fisso, sive ex limbo connivente hiatumque cum disco ascophoro interjecto monstrante clausis, denique in discum ascophorum limbo s. margine succinctum ascis stipatis pavitum s. emersis incuso-pulverulentum coloratum reclusis, navicularibus, cylindrico-tubulosis, urceolaribus, patellaribus scutellaribus bivalvibusque.

(*Fungi tribus funginearum Brongn. Dub. Hypoxylorum sphaeriaceorum sp., phacidiaceorum genera Dub. Gasteromycetes phacidiacei et depazearum genera Fr. Hymenomycetes cupulati, pezizei, Dermei, Stictei et heterocliti Fr. Myelomycetum sphacroideorum et Fungorum utrinorum genera Spr. syst.*)

a. thyreodochii, ascomatibus vertice primum obturatis ibique deinceps sive radiatim, sive circumcirca,

sive laciniatim scissis, sive transversim hiantibus discumque ascophorum magis minusve dilatatum recludentibus, adnatis s. basi brevi suffultis, punctiformibus, verrucosis, lenticularibus, vascularibus s. scutellaribus.

(Pyrenomycetes phacidiacei Fr. Hypoxyla phacidiacea Breng. Dub. Fungi sphaeriacei a. xylomacei Reichb.)

291. XYLOMA PERS. *Blattschorf.*

Hymenium entophloeodes placentare, ascis erectis fixis subclavatis, sporidiola uniseriata continentibus foetum, parenchymati decolori ipsi s. in stratum pseudostromaticum carnosum obesum luxurianti superimpositum, vertice primum summa epidermidis pellicula integra velatum dein undulata scissa reclusum, ascoma maculare s. placentare innatum mentiens.

(Rhytisma Fr. Dub. Placuntium Ehrenb. et Eclostromatis et Asteromatis sp. auct. ceu eorum aliorumque incunabula. Xylomata composita s. majora Pers.)

† *leptostromatica, ascomatibus entophloeodeis cum parenchymate foliorum hyalino concolore concretis aequalibus, macularibus.*

2290. *X. hypophyllum W.*, ascomatibus phloeodeis effusis innatis confluentibus, maculas hypophyllas oblongas rugoso-sulcatas opacas nigricantes intus albidas dehiscentes constituentibus.

α. *Onobrychis.* — *Rhytisma Onobrychis Fr. syst. II.* 559. *Xyloma Onobrychis DC. gall. VI.* 159.

β. *Lathyri.* — *Rhytisma Orobi Schltdl. berol. II.* 218.

Ad Onobrychis sativae et Lathyri tuberosi foliorum faciem inferiorem frequens, rarius tamen perfectum. Aestate.

2291. *X. Urticae W.*, ascomatibus subrotundis laevibus prominulis, halone innato atro caulem ambeunte et undique denigrante succinctis, dein flexuoso-dehiscentibus discumque cinerascentem recludentibus. — *Rhytisma Urticae Fr. syst. II.* 570.

Ad caules Urticae dioicae, hyeme.

2292. *X. Liriodendri W.*, ascomatibus innatis epiphyllis subrotundis umbonatis gregariis atris nitidis, intus concoloribus, in aversa folii parte maculas nigro-fuscas relinquentibus. — *Ectostroma Liriodendri Fr. syst. II.* 602.

Ad folia Liriodendri Tulipiferae languida hortorum nostratium passim. Aestate.

2293. *X. lachrymans W.*, ascomatibus epiphyllis insculptis circinatis nonnisi confluentibus tenerrimis cum foliorum parenchymate aequalibus nigris opacis dein resinoso-micantibus, a centro papillato inde hyalinis inaequaliter plicato-radiantibus ibique discum tenerrimum revelantibus, demum in maculam nigram tenuatam haloe dilutiore cinctam rotundatam confluentibus. — *Rhytisma accrinum b. Pseudo-Platani Fr. syst. II.* 569. *Xyloma Pseudo-Platani auct.*

Ad foliorum Aceris Pseudo-Platani et A. platanoidis paginam superiorem Thuring. passim.

2294. *X. gyrans W.*, ascomatibus epiphyllis insculptis, primum punctiformibus dein circinatis confluentibus foliorum parenchyma sensim permulcentibus maculamque nigram opacam supra gyroso-plicatam effusam tenuem obsidentibus, demum discum pallescentem revelantibus. — *Rhytisma accrinum a. Fr. syst. II.* 569. *Xyloma acerinum Pers. syn.* 104. *Nees syst. f.* 21., *β. confluens Mart. crl.* 309. *Sphaeria maculaeformis Ehrh. Mucor granulosus Bull. t.* 504.

Ad folia Acerum, Pseudo-Platani praeprimis.

2295. *X. punctatum Pers.*, ascomatibus innatis epiphyllis subrotundis punctiformibus distinctis gregariis rugosis fusco-nigris opacis, venarum areolas obsidentibus picturamque subrotundam mentientibus, demum frustulatim rumpentibus, intus concoloribus. — *Rhytisma punctatum Fr. l. l. Xyloma accrinum n. sparsum Mart. l. l. X. punctatum Pers. l. l.*

Ad folia Aceris Pseudo-Platani [illegible]gare. (X. gyranth forsan incunabula imperfecta s. Phomatis sp.)

2296. *X. umbilicatum Pers.*, ascomatibus innatis amphigenis orbiculatis punctiformibus depresso-umbonatis nigris sparsis, dein subsidentibus centro papillatis umbilicatis ibique discum albidum tenerrimum monstrantibus. — *Dothidea umbilicata Fr. orb. I. 363. Dub. gall. II. 717. Xyloma umbilicatum Pers. in Moug. et Nestl. vog. n. 761.*

Ad folia arida Crataegi Oxyacanthae suis locis passim.

2297. *X. Andromedae Pers.*, ascomatibus innatis oblongato-difformibus atris nitidis, primum tenuatis dein crassiusculis paginam superiorem saepius obliterantibus, supra plicato-rugosis lucidis ibique raro discum cinereo-fuligineum monstrantibus. — *Rhytisma Andromedae Fr. syst. II. 567. Xyloma Andromedae Pers. syn. 104. Alb. et Schw. nisk. 62.*

Ad folia Andromedae polifoliae frequens.

†† *pachystromatica, ascomatibus strato pseudostromatico carnoso, ex cubilium parenchymate male, saepius enormiter succrescenti, epidermide decolore nigra obducto superadditis.*

2298. *X. umbonatum Hoppe*, ascomatibus epiphyllis innatis lenticularibus umbonatis atris nitidis distinctis rotundis majusculis, in verticis centro papillato demum discum fuscum recludentibus, intus obesis, in avessa folii parte maculam convexam relinquentibus. — *Rhytisma salicinum b. minus Fr. syst. II. 568. Wahlenb. lapp. 524.; var. umbonata Alb. et Schw. nisk. 62. Xyloma umbonatum Hoppe.*

Ad foliorum Salicis capreae paginam superiorem passim. (Ascomatis figuratione regulari papillaque centrali satis distincta sp.)

2299. *X. amphigenum W.*, pseudostromate innato amphigeno convexo tenuissime punctulato nigro subrotundo, ascomatibus primum impressione insulari plicato-marginata dein squamoso-rupta discumque pallidum revelante inscripto, epigeno nitido, hypogeno opaco glau-

cescente, halone maculari cincto. — *Rhytisma salicinum Fr. syst. II.* 568. *pr. pr. Xyloma salicinum auct.*; *var. β. Libert in lit.*

Ad utramque foliorum Salicis purpureae et Helicis paginam. Aestate.

2300. *X. leucocreas DC.*, strato pseudostromatico epigeno demum subrotundo maximo calloso nigro tenuiter striato, intus carnoso albo, supra ascomatibus ovato-subrotundis primum concaviusculis dein squamoso-rumpentibus discumque stramineum recludentibus inscripto, hinc maculam aequalem opacam cinereo-nigrescentem asperulam relinquente. — *Rhytisma salicinum α. Fr. l. l. Xyloma leucocreas DC. gall. II.* 303. *X. salicinum Pers. syn.* 103., *dispos.* 5. *t.* 2. *f.* 4.

Ad folia Salicis capreae, auritae et fuscae minime rarum.

2301. *X. Cicatrix W.*, strato pseudostromatico epiphloeodeo innato plano cicatriciformi maximo atro nitido, intus albo carnoso, supra ascomatibus sparsis foveolatis dein discum pallidum revelantibus inscripto. — *?Rhytisma maximum Fr. syst. II.* 566.

Ad ramulos Salicis Russelianae meae (S. viridis Fr.) Thuring. rarius. (Prima initia ramulorum epidermidem, verrucarum sparsarum s. Phloeoscoriae meae instar elevant, dein confluunt et stratum pseudostromaticum 1–2 uncias longum, ½ latum nitidum praestant.)

2302. *X. giganteum Rebent.*, strato pseudostromatico orbiculari plano crasso subrugoso fuscescente, dein deplanato laxe adnato, supra ascomatibus labiato-s. reticulato-dehiscentibus discumque albidum monstrantibus inscripto. — *Rhytisma giganteum Fr. syst. II.* 566. *Xyloma giganteum Rebent. neom.* 342. *t.* 2. *f.* 8.

Ad folia Brassicae oleraceae capitatae agri neomarch. (*Rebentisch*). Auctumno.

[illegible] arida Crataegi Oxyacanthae suis locis passim.

[illegible] X. *Andromedae Pers.*, ascomatibus iuna-[illegible]-difformibus atris nitidis, primum tenuatis [illegible] paginam superiorem saepius obliteran-[illegible] plicato-rugosis lucidis ibique raro discum [illegible] monstrantibus. — *Rhytisma Andro-* [illegible] *syst. II.* 567. *Xyloma Andromedae Pers. syn.* [illegible] *et Schw. nisk.* 62.

[illegible]lia Andromedae polifoliae frequens.

[illegible]*achystromatica, ascomatibus strato pseu-*[illegible]*tico carnoso, ex cubilium parenchymate male,* [illegible]*enormiter succrescenti, epidermide decolore nigra* [illegible]*superadditis.*

[illegible] X. *umbonatum Hoppe*; ascomatibus epi-[illegible]*natis lenticularibus umbonatis atris nitidis di-*[illegible]*rotundis majusculis, in verticis centro papillato* [illegible] *fuscum recludentibus, intus obesis, in* [illegible] *parte maculam convexam relinquentibus.* — [illegible] *salicinum b. minus Fr. syst. II.* 568. *Wah-* [illegible] 530.; *var. umbonata Alb. et Schw. nisk.* 62.

vidum s. sordide lutescentem recludentibus. — *Phacidium dentatum Schmidt l. l. Fr. syst. II.* 577. *Xyloma lichenoides DC. pr. pr. Peziza Jufula Rebent. Sphaeria punctiformis γ. Pers. syn.* 91.

Ad folia quercina dejecta ubertim. Hyeme.

2306. *Ph. repandum Fr.*, ascomatibus subrotundis innatis pallido-virentibus demum nigricantibus, in lacinias inaequales obtusas fatiscentibus discumque fuligineum recludentibus. — *Phacidium repandum Fr. syst. II.* 578. *Ph. herbarum Dub. gall. II.* 722. *Xyloma herbarum Alb. et Schw. nisk.* 65. *t.* 4. *f.* 6.

Ad caules, petiolos ipsaque nonnisi folia viva herbarum, v. c. Potentillarum, Galiorum, Cerastiorum aliarumque ejusmodi, passim.

2307. *Ph. Rubi Fr.*, ascomatibus epiphyllis innatis hemisphaerico-applanatis rugulosis atris, primum papilla centrali inscriptis diuque clausis, demum in lacinias inaequales obtusas fatiscentibus discumque albidum recludentibus. — *Phacidium Rubi Fr. syst. II.* 578.

Ad Rubum Idaeum et corylifolium epiphyllum.

2308. *Ph. fimbriatum Schm.*, ascomatibus innatis orbicularis hemisphaerico-applanatis atris striato-radiatis, dein in lacinias plures teneras rumpentibus discumque albidum recludentibus. — *Phacidium fimbriatum Schmidt l. l.* 39.

Ad folia Populi nigrae. (*Schmidt.*)

2309. *Ph. coronatum Fr.*, ascomatibus innatis orbicularibus hemisphaerico-depressis convexiusculis nigricantibus nitidulis, dein collapsis rugosis in lacinias plures acutas caducas secedentibus discumque flavescentem s. liventem, ascis subclavatis foetum recludentibus. — *Phacidium coronatum Fr. syst. II.* 577. *Schmidt l. l.* 36. *Ascobolus coronatus Schum. Xyloma pezizoides Pers. syn.* 105., *icon. t.* 10. *f.* 1. *Peziza conniveus Mart. crl.* 163. *P. comitialis Batsch* 1. *f.* 152. *P. artocreas Rebent. P.*

[illegible] (nigra) integra, [illegible] in [illegible] plures [illegible] caducas fissa leviter tectum, ascoma [illegible] umbonatum innatum mentiens.

[illegible] *Fr. syst. nec elench. Nees. Ehrenb. Pe-* [illegible] *et Xylomatis sp. auct.)* Genus difficile [illegible] dum, praecedenti adfine, vix nisi Jove pluvio [illegible] internam monstrans.

[illegible]phlocodea, *ascomatibus innatis, cubilium* [illegible] *tectis. (Phacidii tribus 3. Xyloma Fr. Phaci-* [illegible] *Schmidt.)*

Ph. punctiforme W., ascomatibus innatis [illegible] punctiformibus minutissimis gregariis rugulo- [illegible] verticem scissum abjicientibus discumque [illegible] planum, limbo nigro crenulato cinctum [illegible].

[illegible] Prunf Padi foliorum languidorum pagi- [illegible], rarius.

Ph. arundinaceum Kz., ascomatibus in- [illegible] rufo-fuscis sparsis confertisque, disco [illegible] centrali obsoleta instructis, ambitum ver- [illegible] fuscescentibus integris prominulis. — *Pha-*

31. *Fr. syst. II.* 574. *Xyloma Ledi Alb. et Schw. nisk.* 60. *t.* 9. *f.* 1.

Ad ramulos siccos Ledi palustris Lusatiae et aliis Germaniae borealis locis. Vere.

2315. *Ph. carbonaceum Fr.*, ascomatibus erumpentibus subrotundis inaequalibus nigris, in lacinias obtusas dehiscentibus discumque siccum nigrescentem recludentibus. — *Phacidium carbonaceum Fr. syst. II.* 574. *Xyloma carbonaceum Fr. obs.*

Ad ramos salicinos siccos passim.

2316. *Ph. valvatum Schm.*, ascomatibus erumpentibus subrotundis truncato-disciformibus atris sparsis, dein in lacinias obtusas dehiscentibus discumque fuligineum recludentibus. — *Phacidium Pini Fr. syst. II.* 573. *Ph. valvatum Schmidt l. l. Hysterium valvatum Nees syst. f.* 299. *Xyloma Pini Alb. et Schw. nisk.* 60. *t.* 5. *f.* 8.

Ad corticem Pini sylvestris et Juniperi passim. Vere.

††† *epiphloeodea, ascomatibus emersis.*

2317. *Ph. pulverulentum Schm.*, ascomatibus immersis orbiculatis subhemisphaericis minutis pulverulentis fuligineis, in lacinias acutas dehiscentibus discumque caesium recludentibus. — *Phacidium pulverulentum Schmidt l. l.* 33. *Fr. syst. II.* 573.

Ad ligna Pini sylvestris agri lipsiensis semel. (*Schmidt.*) Vere.

293. PHLYCTIDIUM W. *Tüpfelschorf.*

Ascoma ex parenchymate cubilium decolore, amplius nonnisi inque strati pseudostromatici subiculosi dendritici speciem effuso semet informans, primum callosum dein tenuiter membranaceum orbiculatum oblongatumve clausum innatum, demum summam verticis umbonati pellicalam in rugas complicatas fatiscentem abjiciens discumque mollem veluti excipulo integro marginatum, ex ascis oblongis bi-trilocularibus persistentibus denique saturatioribus foetum recludens.

(Cenangii tribus 4. Excipula Fr. syst. II. 189. Excipula t. I. p. 596., elench. II. 146. Dothideae et Sphaeriae sp. auct. Actinonematis, Asteromatis sp. DC. Grev.Fr.)

† *filamentosa, ascomatis initiis radio filamentoso-byssoideo tenerrimo dendritico-ramoso radianti adnatis. (Actinotrichum Wallr. in lit.)*

2318. *Phl. Rosae W.*, ascomatibus subrotundis ovalibusque exiguis, primum convexiusculis albis dein nigrescenti-lividis depressis, ex radiis filamentosis tenerrimis arachnoideo-byssoideis epiphyllis adnatis distinctis ramosissimis a centro inde radiantibus, hypostroma dendriticum circinatum praestantibus succrescentibus, hinc maculas sordide cinerascentes concentrico-punctatas mentientibus. — *Asteroma stellatum Wallr. ros.* 47. *A. Rosae Libert in annal. L. soc.* 1826. *Dothidea Alphitomorpha Wallr. in lit. D. Rosae Dub. gall. II.* 716. *Dendrina Rosae Fr. fems.* 42. *Himantia pulchella Pers. myc. I.* 91. (*hypostroma sterile.*) *Erysiphe radiosum Fr. obs. I.* 207., *syst. III.* 247., *elench. II.* 151. *Sporotrichum maculare Link sp. I.* 20. *Sp. pulchellum Dub. gall. II.* 924. *Sclerotium radiosum Ach. in lit.*

Ad foliorum vegetorum Rosae Chamaerrhodi var. gallicae et muscosae faciem superiorem in hort. thuring. passim. Aestate inde ad auctumnum. (*Wallr.*)

2319. *Phl. Padi W.*, ascomatibus subrotundis sparsis minutissimis patellaribus albis, margine tenui concolore cinctis, saepius confluentibus, hypostromati-epiphyllo ex radiis filamentosis compressis deplanatis tenerrimis arcte adpressis distinctis arachnoideo-byssoideis dichotomo-ramosis, a centro obsoleto inde dendritico-radiantibus albis composito adfixis, maculas centro fusco-cinerascentes mentientibus. — *Dothidea Padi Spr. syst. IV.* 417. *Dub. gall. II.* 716. *Asteroma Padi DC. gall. VI.* 164. *Fr. elench. II.* 151.

Ad Pruni Padi foliorum vegetorum faciem superiorem, in hortis halens. et thuring. satis raro. (Praecedenti simile, at filis longioribus, magis deplanatis mi-

nusque continuis crispulis, maculas in fines longe ampliores patentes praestantibus et ascomatibus minoribus distinctum.)

2320. *Phl. Crataegi W.*, ascomatibus subrotundis minutissimis dein nigrescentibus, hypostromati epiphyllo, ex fibrillulis hyphoideis a centro radiantibus ramosis distinctis canescentibus crispulo-nodulosis composito adfixis, maculas fuscas mentientibus. — *Actinonema Crataegi Pers. myc. I.* 52. *Fr. elench. II.* 151. *Capillaria Crataegi Link sp. II.* 22.

Ad folia vegeta Crataegi torminalis rarissime.

†† *maculariae, ascomatis initiis cubilium parenchyma extus penitiusve adficientibus, sive decolorantibus, sive magis constipantibus inque stratum hypostromaticum saepius mutantibus.*

2321. *Phl. nitidum W.*, ascomatibus innatis minutis sparsis orbiculatis nigro-piceis nitidissimis laevissimis, primum vertice convexiusculo prominulo dein subsidente corrugato deplanato clausis illoque secedente discum planum albidum margine tenui succinctum recludentibus.

α. alneum. — *Dothidea alnea Fr. syst. II.* 564. *Xyloma alneum Pers. syn.* 108.

β. fagineum. — *Sphaeria Artocreas auct. Xyloma fagineum Pers. l. l.*

Ad folia alnea et faginea languida vulgare.

2322. *? Phl. sphaeroides W.*, ascomatibus innato-superficialibus hypophyllis punctiformibus atris depresso-urceolaribus, margine inflexo, disco pallido. — *Cenangium sphaeroides Fr. syst. II.* 191. *Xyloma sphaeroides Pers. syn.* 106. *Excipula sphaeroides Fr. exsicc.*

Ad folia decidua Salicis capreae. (Vilis ac dubia sp.; ascomata vertice collapso potius formam urceolarem induunt quam recludantur.)

2323. *Phl. Empetri W.*, ascomatibus erumpenti-

superficialibus epiphyllis punctiformibus opacis atris, demum in discum atrum reclusis. — *Excipula Empetri Fr. syst. II.* 190. *Peziza Empetri Kunze in lit.*

Ad folia Empetri passim.

2324. *Phl. melanophaeum W.*, ascomatibus innato-erumpentibus atris, primum clausis convexis, dein in discum concavum dilatatum reclusis. — *Excipula melanophaea Fr. syst. II.* 190. *Peziza melanophaea Kunze.*

Ad squamas conorum abietinorum vulgare.

2325. *Phl. Rubi W.*, ascomatibus primum hypophloeodeis dein erumpendo epiphloeodeis subcorneis laevibus atris convexis exiguis, demum in discum pallidum reclusis. — *Excipula Rubi Fr. l. l.*

Ad Ruborum nostratium caules siccos passim.

2326. *Phl. Heraclei W.*, ascomatibus hypophyllis innatis gregariis, primum livido-flaventibus callosis parce prominulis, dein emergentibus exiguis subrotundis atris opacis, vertice depresso corrugato-plicato clausis illoque secedente discum pallidum recludentibus. — *Dothidea Heraclei Fr. syst. II.* 556.

Ad folia Heraclei Ostruthii passim.

2327. *Phl. Solidaginis W.*, ascomatibus hypophyllis primum lutescentibus callosis innatis verruciformibus, dein atro-fuscis plicato-corrugatis exiguis, denique nigris nitidis aggregato-confluentibus maculam fuscam rotundam halone luteolo cinctam obliterantibus, vertice diu clausis, sero discum album recludentibus. — *Dothidea Solidaginis Fr. syst. II.* 562. *Xyloma Solidaginis Fr. obs. X. Virgaureae DC.*

Ad folia Solidaginis Virgaureae passim.

2328. *Phl. Saniculae W.*, ascomatibus hypophyllis, primum insculptis fuscescentibus, dein adnatis orbiculatis convexiusculis nigris opacis confertissimis minutis, maculam nigro-fuscam mentientibus, demum deplanatis verticem irregulariter reclinantibus discumque planum

flaventem margine scisso nigro cinctum recludentibus. — *Dothidea Saniculae Wallr. in lit.*

Ad Saniculae europaeae foliorum vegetorum faciem inferior. in agro thuring. rarius.

2329. *Phl. Ranunculi W.*, ascomatibus hypophyllis, primum innatis dein emergentibus orbiculatis nigris opacis convexis, denique subsidentibus verticem reclinando in discum nigrum cum margine concolorem reclusis, confluentibus foliumque obfuscantibus. — *Dothidea Ranunculi Fr. syst. II.* 562. *Sphaeria Ranunculi Wallr. in lit.*

Ad folia vegeta Ranunc. nemorosi et polyanthemi in agro thuring. passim. Aestate exeunte.

2330. *Phl. Gentianae W.*, ascomatibus aliis inter initia hypophloeodea jam desciscentibus hypostromaque effusum maculare nigrescens mentientibus, aliis erumpentibus atris primum vertice clausis dein discum gryseo-albidum recludentibus. — *Exipula Gentianae Fr. elench. II.* 144. *Peziza Gentianae Pers. myc. I.* 310. *Fr. syst. II.* 153.

Ad caules siccos Gentianae luteae in m. vogeso. (*Mougeot.*)

2331. *Phl. nervisequum W.*, ascomatibus aliis inter initia hypophloeodea jam parenchyma infarciendo desciscentibus hypostromaque longitudinaliter effusum informantibus, aliis ex illo erumpentibus sphaericis atris cupuliformibus, saepius seriatis. — *Excipula nervisequia Fr. elench. II.* 147. *Peziza nervisequia Pers. myc. I.* 308. *Fr. syst. II.* 153. *Sphaeria nervosa Chaill.*

Ad folia languida Plantaginis lanceolatae in German. austral. passim.

294. TRYBLIDIUM REBENT. *Kesselschorf.*

Ascoma carnoso-membranaceum vasculare, e basi tenuata orbiculatum, primum clausum inflatum, demum

vertice in lacinias angulatas irregulariter fissum discumque massae grumosae instratum pulposum ascis majusculis foetum recludens.

(Triblidium Rebent. Kunz. Ehrenb. Pers. myc. Cenangii tribus 2. Triblidium Fr. Phacidii tribus 1. Fr. elench.)

2332. *Tr. seriatum Fr.*, ascomatibus e basi attracta depresso-globosis gregariis rugosis atris, dein in lacinias obtusas laceris discumque fuligineo-atrum recludentibus. — *Triblidium seriatum Fr. exsicc. Cenangium seriatum Fr. syst. II.* 185. *Phacidium seriatum Fr. elench. II.* 131. *Peziza truncatula Rebent. neom.* 388. *nec Pers.*

Ad corticem betulinum Neomarch. (*Rebentisch.*)

2333. *Tr. Pinastri Fr.*, ascomatibus erumpentibus e basi tenuata subglobosis difformibus rugosis atronitentibus saepius deliquescentibus, vertice depresso in lacinias plures obtusas dehiscentibus discumque albidum recludentibus. — *Triblidium Pinastri Fr. exs. Cenangium Pinastri Fr. syst. II.* 184. *Peziza Pinastri Pers. syn.* 672. *Alb. et Schw. nisk.* 344.

Ad corticem abietinum emortuum, hyeme. (Stirps versipellis figura, mole et dispositione, nonnisi in monstra tuberculosa difformia desciscens (*Sphaeronaema bullosum Fr. P. Pinastri γ. ramosa Alb. et Schw. l. l.*)

2334. *Tr. abietinum W.*, ascomatibus nigris opacis, primum hypophloeodeis dein emergentibus verrucosis convexis inconditis sphaeriaeformibus, demum in basin abrupte attractis sessilibus liberis, vertice convexiusculo irregulariter corrugato clausis patellaribus, demum lacerofissis discum atro-sanguineum nudum veluti marginatum recludentibus. — *Phacidium pithyum Kz. nec Fr.*

Ad corticem abietinum emortuum Hercyn. infer. frequens.

2335. *Tr. calyciiforme Rebent.*, ascomatibus sparsis nigris, primum hypophloeodeis verrucosis inconditis saepius desciscentibus, dein emersis praeter basin

adnatam liberis planis lentiformibus obtuse marginatis, vertice tenuiter rimoso-areolato clausis, demum laciniato-dehiscentibus discumque pallidum recludentibus. — *Phacidium calyciiforme Spr. syst. IV.* 410. *Fr. elench. Cenangium caliciif. Fr. syst. II.* 183. *Cyphelium scabrosum Ach. Triblidium caliciif. Rebent. Pers. myc. I.* 333. *t.* 2. *f.* 3. 4. *Chevaill. par. t.* 8. *f.* 9. *Limboria corrugata auct. Peziza Hysterium Pers. syn.* 671.

Ad truncos quercinos minime rarum.

295. COLPOMA W. *Schlitzschorf.*

Ascoma oblongum semicylindricum, basi deplanata adnatum, primum hypophloeodes clausum, extus friabile, intus strato grumoso discolore pavitum hymenioque carnoso-ceraceo ascis clavatis dein secedentibus foeto aequaliter obductum, demum summam cubilium pelliculam fissam vertice longitudinaliter scisso penetrans discumque cavernosum reclusum monstrans, annuum.

(Cenangii tribus Clithris Fr. syst. Dub. Variolariae, Hysterii, Hypodermatis spec. Tod. Bull. Pers. et DC.)

2336. *C. trigonum W.*, ascomatibus amphigenis sparsis, primum hypophloeodeis dein emergendo semiliberis tumidis ovato-oblongis triangularibusve similiterque (trifariam saepius) dehiscentibus utrinque obtusis fuscis, discum cervinum monstrantibus. — *Phacidium trigonum Schmidt in Kunz. myk. Hft. I.* 40. *f.* 12. *Hysterium tumidum β. trigonum Fr. syst. II.* 592.

Ad folia sicca quercina praeprimis et tiliacea passim.

2337. *C. verrucosum W.*, ascomatibus primum hypophloeodeis ovalibus convexis turgidis nigris opacis verruciformibus, dein vertice mediotenus striato epidermidem scissam perforantibus, diu clausis ibique demum tenuiter longitudinaliterque hiantibus discumque dilutum monstrantibus s. integris omnino secedentibus maculamque conformem nigrescentem relinquentibus. — *Hysterium verrucosum W. in lit.*

Ad Galii veri caules aridos agri northusani. Hyeme,

at vix nisi Jove pluvio favente discum recludere solet, et humectando caules undique verrucosos reddit, siccando vero plane delitescit.

2338. *C. elatinum W.*, ascomatibus primum hypophloeodeis dein erumpendo epiphloeodeis atris opacis rugosis majusculis oblongis curvatis in discum rufescenti-nigrum sulcatum labiis inflexis occultatum reclusis, demum contractis inconditis volvam crispatam mentientibus. — *Hysterium elatinum Pers. syn. addend.* 28. *Fr. syst. II.* 584. *Lichen elatinus Achar. prodr.*

β. crispum, ascomatibus elongatis flexuosis angustis in labia distincta tenuia crispata reclusis. — *Hysterium elatinum β. Tr. l. l. Tryblidium crispum Pers. myc. I.* 332. *Hypoderma crispum DC. gall. VI.* 167. *Hysterium crispum Pers. syn.* 101., *icon. t.* 9. *f.* 1.

Ad corticem abietinum Hercyn. superior.

2339. *C. quercinum W.*, ascomatibus ovato-oblongis transversis, e basi deplanata convexis semicylindricis nigro-fuscis opacis, mole variis, primum hypophloeodeis clausis, dein vertice epidermidis pelliculam scissam revelantibus ibique longitudinaliter hiantibus discumque pallidum navicularem mox ascis secedentibus effectum monstrantibus, demum friabilibus caducis maculam fuscam conformem relinquentibus. — *Cenangium quercinum Fr. syst. II.* 189. *Tryblidium quercinum Pers. myc. I.* 333. *Hysterium quercinum Pers. syn.* 100. *Nees. syst. f.* 300. *a. Sphaeria collapsa Sowerb. t.* 373. *Hysterium nigrum Tod. meclb. II.* 5. *f.* 64. *Variolaria corrugata Bull. t.* 432.

Ad ramulos quercinos novellos, quos enecat, frequens. (Variat ascomatum mole et nonnisi ascomatibus quadruplo minoribus redit. Pruina albicans, qua labia saepius adsperso, ex cortice proficiscitur.)

296. TYMPANIS TODE. *Paukenschorf.*

Ascoma orbiculato-tornatum, basi magis minusve tenuata nonnisi hypostromati vario impositum, ex strato

duplici, externo subcoriaceo verticem convexiusculum s. umbilicato-depressum primum obturante dein tenuando varie revelante discumque ascophorum concavum cum strato interno grumoso dilutiore adnatum monstrante, compositum, dimorphum prorsus, nunc sphaeriaeforme, nunc pezizaeforme. Hymenium gelatinosum turgidum, primum verticis velamine tectum, dein cum ascis tenuibus transfusis s. profusis fatiscens.

(*Cenangia crumpentia Fr. elench. C. tribus* 1. *Scleroderris Fr. syst. Pezizae desiccentes, ascidiis fixis, substantia duplici Spr. syst. IV.* 514. *Hylostoma et Scleroderris Pers. Pezizae et Sphaeriae sp. auct., quas quidem pro varia aetate et informationis gradu omnino referunt et vix nisi verticis velamine tenuando secedente nec in osculum marginemque figuratum recluso differunt.*)

† *astromaticae, ascomatibus ex cubilibus hypos. epiphlocodeis succrescentibus, sparsis s. aggregato-caespitosis.*

* *sparsae, ascomatibus sparsis.*

ctum reclusis. — *Cenangium in caulibus Aparines Kneiff in lit. n.* 85. *?Sphaeria Galii Guépin. Fr. elench. II.* 105.

Ad caules siccos Galii Aparines agri badens. (*Kneiff*), nec non thuringiaci. Aestate.

2343. *T. Patella W.*, ascomatibus sparsis primum hypophloeodeis dein emersis praeter basin adnatam obtusam liberis atris nitidulis stipato-sericeis, primum hemisphaerico-tornatis s. siccando urceolato-patellatis umbilicato-papillatis clausis, demum (udore favente) vertice secedentibus discumque urceolatum cinereo-album recludentibus, basi tenuatis phialiformibus. — *Phacidium Patella Fr. elench. II.* 133.

α. sphaeriaeformis, campestris, ascomatibus hemisphaerico-tornatis clausis, vertice umbonato s. urceolato-patelliato, nonnisi ascos albos coactos transfundentibus. — *Phacidium Patella β. campestre Fr. l. l. Hysterosphaeria Patella Grev. scot. t.* 103. *Peziza Chauvini Pers. P. Ligustici DC. Sphaeria Patella Pers. syn.* 76. *Fr. syst. II.* 511. *Sph. penetrans α. Patella Tod. mecl. II.* 45. *f.* 121.

β. pezizaeformis, alpestris, ascomatibus dein vertice depresso tenuato secedentibus discumque albidum limbo erecto inflexo (*?dentato Fr.*) munitum reciudentibus, phialiformibus. — *Ph. Patella α. alpestre Fr. l. l. Peziza Chailletii Pers. myc. I.* 288. *Fr. syst. II.* 141. *P. Scleropyxis Pers. l. l. P. leucomela β. Umbelliferarum DC. P. fimbriata Chaill. teste Fr.*

Ad caules herbarum elatiorum siccos, praesertim Umbelliferarum, Galii Molluginis, aliarumque; var. *α.* in campis depressis siccis, *β.* in vallibus editioribus et alpestribus udis passim. Auctumno.

2344. *T. Urceolus W.*, ascomatibus sparsis, primum hypophloeodeis dein emersis praeter basin adnatam epidermide scissa cinctam liberis atris opacis vellere sericeo adpresso fusco tenerrimo vestitis, vertice primum convexiusculo s. umbilicato-impresso clausis, dein subsidendo magis deplanatis osculoque rotundo hiantibus, de-

mum in discum cinereum carnosum reclusis, margine basi producentibus. — *Cenangium Urceolus Fr. elench. II.* 22.

α. *sphaeriaeformis*, ascomatibus majusculis vertice umbilicato-depressis clausis. — *Cenangium Urceolus Fr. syst. II.* 182. *Sphaeria Urceolus Schmidt in lit.*

β. *pezizaeformis*, ascomatibus e basi tenuata subpyriformibus, vellere brunneo strias mentiente vestitis, vertice dein patulo reclusis, urceolaribus. — *?Peziza Urceolus Alb. et Schw. misk.* 332. t. 3. *f.* 4. *Fr. syst. II.* 113.

Ad ramos betulignos Lusatiae. (*Alb. et Schw.*)

2345. *T. Ariae Fr.*, ascomatibus sessilibus sparsis duris nigris, primum subrotundis clausis, dein vertice subsidente dilatatis orbiculato-deplanatis ambitum marginantem subelevatum veluti circumdacentibus, majusculis subgregariis. — *Tympanis Ariae Fr. elench. II.* 18. *Peziza inconstans Ks. in lit.*

α. *sphaeriaeformis*, ascomatibus erumpentibus sub-

hypostromaticam saepius informantibus, vel in monstra corniculata succrescentibus.

2347. *T. saligna Tod.*, ascomatibus gregariis subcaespitosis atris nitidulis, primum globularibus dein elongatis, verticem obtusum truncatum clausum demum in discum concavum apertum informantibus. — *Peziza Todaeana Spr. l. l. Tympanis saligna Tod. mcelb. I. 24. t. 6. f. 27. Fr. syst. II. 176. ? Sphaeria palina Fr. syst. II. 494.*

Ad ramos salicinos siccos rarius.

2348. *T. Aucupariae W.*, ascomatibus caespitosis nigris albido-pulverulentis, e basi implexa elongata subcylindrica in verticem angustum primum clausum dein apertum desinentibus. — *Cenangium Aucupariae Fr. syst. II. 181. Peziza Aucupariae Spr. l. l. Dothidea caespitosa Fr. obs. Sphaeria Aucupariae Pers. syn. 51. Sph. caespitosa Tod. mcel. I. 41. t. 14. f. 113.*

Ad ramos Sorbi Aucupariae passim.

2349. *T. Prunastri W.*, ascomatibus subcaespitosis transversim erumpentibus subcoriaceis nudis nigricantibus, e basi stipitiformi cylindrica in verticem profunde excavatum s. in apicem subaequalem desinentibus. — *Cenangium Prunastri Fr. syst. II. 180. Peziza Prunastri Pers. syn. 672.*

β. m. ceratostomum, ascomatibus subuliformibus teretibus rigidis in apicem subaequalem s. parce dilatatum desinentibus. — *Fr. l. l. Ceratostoma spurium Fr. obs. II. 138. Sphaeria Prunastri Pers. Sph. rigida DC. gall. VI. 132.*

Ad ramos siccos Pruni domesticae et spinosae passim.

2350. *T. conspersa Fr.*, ascomatibus subrotundo-caespitosis stipatis mox epidermidem transversim scissam infarcientibus erectis atris nudis pulvereque albo adspersis, biformibus, aliis (desciscentibus) cylindricis obtusis corniculatis, aliis e basi cylindrica obovatis in verticem umbilicato-depressum disciformem dilatatis tenuissime

rugulosis, dein discum nigricantem recludentibus. — *Tympanis conspersa Fr. syst. II.* 175. *Peziza Pyri Pers. syn.* 671. *P. Aucupariae et sphaeroides Pers. myc. I.* 327. *P. conglomerata Wahlenb. lapp. P. populnea Alb. et Schw. nisk.* 343. *P. sphaeriaeformis Rebent. P. sphaeroides Roth. Necs syst. f.* 281.

Ad ramulos languidos Sorbi Aucupariae, Pyri, Alni, Populi, Betulae aliarumque arborum passim.

2351. *T. cupularis W.*, ascomatibus aggregatis cubilia hypo-s. epiphloeodea obliterantibus hypostromaque crustaceum stygium mentientibus, raro sparsis, mole variis atris punctato-corrugatis, primum subglobosis clausis, dein vertice obsolete papillato subsidente umbilicato-depressis cupulaeformibus, demum lacero-apertis discum ceraceum album ascis moniliformibus foetum monstrantibus. — *Sphaeria cupularis Pers. syn.* 53. *t.* 1. *f.* 9. *Fr. syst. II.* 416. *Sph. Pruni Schumach. Sph. Cucurbitula b. nigrescens Tode mecl. II.* 39.

Ad ramos exsiccatos, v. c. Ulmi, Salicis, Tiliae, Crataegi, Carpini aliarumque arborum, hyeme frequens. (Ambigit notis genericis inter Typanin et Sphaeriam; nunquam saltem porum circinatum aperit, sed verticis velamine scisso ascorum moniliformium nonnisi in clausis foras transfusorum s. in fundo delitescentium micam recludit et rarissime etiam in monstra corniculata desciscit. Alia ascomata hyphae ramosae rigidulae stygiae, hypostroma pilosum mentienti insident, quam quidem peregrinam habeo.)

†† *stromaticae, ascomatibus hypostromati vario, nunc hyphoideo, nunc carnoso saepius male s. in corpuscula verrucosa figurata succrescenti impositis.*

2352. *T. obtexta W.*, ascomatibus erumpentibus sessilibus subcoriaceis gregariis, vellere adpresso denso fusco-fuligineo vestitis, a basi inde telam radiantem hyphoideam circumscriptam albidam mox effusam dense intertextam sordidam emittentibus, primum hemisphaericis, vertice diu clauso umbilicato-depressis, dein osculo

circinato hiantibus, demum discum concavum albo-pallentem limbo albo laxe piloso cinctum recludentibus deplanatis siccandoque semet varie contrahendo assurgentibus. — *Tympanis obtexta Wallr. in lit.*

α. sphaeriaeformis, campestris, ascomatibus hemisphaericis, vertice clauso umbilicato-depressis vellere adpresso vestitis, ipsis cubilibus hypophloeodeis s. telae hypostromaticae nonnisi luxurianti insidentibus. — *Sphaeria alligata Fr. syst. II.* 445. *Sph. aquilae var. Spr. syst. Sph. umbilicata W. in lit. nec Pers.*

β. pezizaeformis, alpestris, ascomatibus vellere laxiore vestitis, dein in discum concavum albo-pallescentem reclusis, vivis deplanatis, siccis semet varie contrahentibus limbumque candidum fimbriato-pilosum exserentibus. — *Peziza Rosae Pers. syn.* 656. *Fr. syst. II.* 109. *Alb. et Schw. nisk.* 327. P. *Pruni avium Pers. myc. I.* 273. *pr. pr. Myrothecium hispidum Tod. meel. I.* 27. *f.* 41.

Ad ramulos siccos duros humi jacentes, Rosarum praeprimis nec non Pranorum, Ribes rubri, et Corylorum, in agro thuring. abundanter. (Morphosis eadem ac sequentis; habitus externus pro varia loci conditione et lucis affluxu magis minusve denegato satis mutabilis.)

2353. *T. fuliginosa W.*, ascomatibus gregariis, saepius inter initia hypophloeodea desciscentibus stratumque hypostromaticum effusum membranaceum fuscescens mentientibus, dein emergentibus fusco-brunneis hemisphaericis, vertice umbonato depresso-umbilicato clausis, demum emersis liberis (udore faveute) discum carnosum albido-cinereum limbo lacero cinctum recludentibus, superficie variis.

α. sphaeriaeformis, campestris, ascomatibus innato-hemisphaericis minoribus nudis nitidulis, vertice umbonato depresso-umbilicato clausis, dein irregulariter hiantibus s. inter initia in basin pseudostromaticam rugosam sordide-fuscam desciscentibus. — *Phlocoscoria salicina Wallr. in lit. Sphaeria fuliginosa Pers. syn.* 52. *Fr. syst. II.* 423.

β. pezizaeformis, alpestris, ascomatibus subsessilibus majusculis ocius jam vellus rufo-fuscum inducentibus emersis, e basi tenuata urceolato-patellaribus, humectando discum albido-cinereum recludentibus. — *Cenangium fuliginosum Fr. elench. II.* 23. *C. difforme Fr. in Moug. et Nestl. vog. n.* 889. *Dub. gall. II.* 736.

Ad ramos salicinos; *α.* Salicis fragilis et albae agri thuring. vulgaris (*Persoon, Wallr.* 1812); *β.* Salicis capreae montis vogesi (*Kneiff, Nestler*), nec non Hercyn. inferior. rarius. (Ramulorum mycete ex natalitiis versipelli ingressorum epidermis continua quidem fuscescere et a luburno dehiscere incipit, dein desquamando plerumque secedit s. ascomata transmittit, strato hypostromatico ex aliis ascomatibus inter initia descisentibus succrescenti Phloeoscoriae instar adnata.)

2354. *T. Ribes W.*, ascomatibus e basi hypophloeode in stratum carnosum pseudo-stromaticum tuberculosum connata fasciculato-caespitosis, epidermidem scissam obliterantibus subturbinatis obconicisve liberis fusco-castaneis, superficie variis, primum vertice clausis leviter impressis, sero apertis discumque albidum recludentibus. — *Cenangium Ribis Fr. syst. II.* 179.

α. detonsa, ascomatibus e basi tenuata turbinatis nudis. — *Peziza Ribesia Pers. syn.* 672. *Cenangium Ribis Fr. syst. II.* 179.

β. torva, ascomatibus majoribus obconicis tomentoso-hirtis. — *Cenangium Ribis β. Fr. l. l. Peziza Ribis β. Alb. et Schw. l. l.*

Ad trunsos Ribes nigri, rubri et petraei frequens. (Stratum carnosum, siccando corneum saepius ab ascomatibus informandis, sicut in aliis Sphaeriis basi hypostromatica simili instructis, deficit et inter nisum semet figurandi, in corpus e basi tenuata hemisphaericum undique clausum et effoetum, nudum, tornatum fuscum excrescit, Tuberculariae primordiis simillimum cauteque ab his dignoscendum (*monstrum phymatodes.*)

[illegible] *Fr. syst. Dub. Nees* [illegible] *Stegia Fr. obs. nec DC.*)

. *Sph. Ilicis W.*, ascomatibus innatis rotun-
rsis nigris nitidis, primum umbone parce pro-
tenniore caesio tectis eoque dein circumscisso
o discum ceraceo-mollem cinereum reclusis, ef-
tellaribus cinerascentibus, margine nitido subcal-
o tornato promiuulo succinctis. — *Xyloma con-*
Ilicis. edinb. 368. *Eustegia Ilicis Chevaill. par.*
Dub. gall. II. 717. *Fr. syst. II.* 533. *Sph. ilicina*
Fr. syst. II. 522. *Sph. complanata Ilicis*
Nestl. veg. n. 82.

ilicum Ilicis Aquifolii faciem superiorem Ger-
(Mougeot), agri hannover. (*Wallr.*) rarius.

. *Sph. discolor W.*, ascomatibus submem-
s nigris sessilibus, primum operculo convexo
o parce papillato fusco-rufescente tectis illoque
ssim abjecto in discum albidum reclusis, effoe-

mibus. — *Eustegia arundinacea Fr. elench. II.* 112. *Sphaeria Calami Nees in Kunz. myk. Hft. II.* 65. *Xyloma arundinaceum DC. gall. VI.* 162. *pr. pr. teste Fr.*

Ad Arundinis Phragmitis culmos siccos rarius v. c. agri halens., si quidem a Phacidio arundinaceo differt.

298. LOPHIUM FR. *Muschelschorf.*

Ascoma compressum verticale submembranaceum nigrum, basi innata farcta veluti cardine suffultum, primum clausum, dein rima longitudinali dehiscens, semibivalve, ascorum erectorum, sporidia simplicia exigua includentium cum paraphysibus intermixtorum farcimine pulposo, dein pulverulento grumoso repletum.

(*Sphaeriae, Hysterii et Hypoxyli sp. auct. Lophium Fr., quod quidem ab illis situ verticali et farcimine carbonaceo differt.*)

2358. *L. mytilinum Fr.*, ascomatibus erectiusculis nigris nitidis membranaceis, e basi infixa tenuata sursum in valvas conchatas, extus transversim corrugato-striatas dilatatis, primum limbo tenuato conniventibus, dein hiantibus ascorumque farcimen grumosum dilute fuscescens eructantibus. — *Lophium mytilinum Fr. syst. II.* 534. *Grev. scot. t.* 177. *f.* 1. *L. mytilinellum Fr. l. l. (lusus minor.) Hysterium mytilinum Pers. syn.* 97. *Nees. syst. f.* 301. *Sphaeria ostracina Sowerb. t.* 375. *Hypoxylon ostracinum Bull. t.* 144. *f.* 4.

Ad cortices antiquos Abietum, Pinuum, Betularum et Juglandum pone radices, in Hercyn. infer. et super. nec non in Thuring. ditione passim, per totum annum.

2359. *L. Utriculus Spr.*, ascomatibus e basi subsessili infixa tenuata in valvas conchatas fusco-nigras opacas extus laeves dilatatis, flabelliformibus. — *Lophium Utriculus Spr. syst. IV.* 406. *Sphaeria Utriculus Rebent. neom.* 331. *t.* 2. *f.* 18.

Ad Salices annosas Neomarch. (*Rebentisch.*)

2360. *L. unguiculatum W.*, ascomatibus e basi

infixa farcta in apicem truncatum subaequalem rima longitudinali inscriptum desinentibus erectis obtusangulo-teretiusculis, striis transversis annulatis exaratis, obesis fragilibus nigro-piceis, intus fuscescentibus. — *Hysterium pedicellatum Schum. saell. II.* 153.

Ad corticem Quercuum vetustarum passim. (Ab hoc *L. elatum Grev. scot. t.* 177. *f.* 1. *Fr. elench. II.* 113. haud multum differre videtur.)

2361. *L. dolabriforme W.*, ascomatibus erectis utrinque compressis obsolete tenuiterque striatis nigro-piceis nitidulis, e basi subaequali infixa (nonnisi parce strigulosa) in apicem truncatum ancipitem desinentibus, siccando fragilissimis, intus cinereo-farctis. — *Lophium dolabriforme Wallr. in lit.*

Ad corticem Pyri communis et Alni in agro heringens. Thuring. rarius. (*Wallr.*)

b. lomatodochii, ascomatibus figura, mole, superficie et substantia perquam variis, sessilibus stipitatisve, superne conniventibus, primum verticem clausum mentientibus ibique dein margine proprio sensim secedente latusculisque reclinantibus discum ascis fixis s. solutis foetum recludentibus.

(Fungi helvellacei Dub. F. uterinorum ord. 4. *cupulati Fr.)*

◎ *ascis fixis.*

299. ACTIDIUM FR. *Sternschorf.*

Ascoma sessile rotundatum, a centro versus marginem in rimas canaliculatas subtiliter dehiscens, intus farctum. Asci erecti fixi tenuissimi cylindrici persistentes, sporidiis simplicibus rotundatis foeti.

2362. *A. hysterioides Fr.*, ascomatibus punctiformibus atris laevibus, primum rotundatis clausis dein 4–6 gonis radiato-stellatis. — *Actidium hysterioides Fr. syst. II.* 595. *Wahlenb. suec. II.* 1022. *Hysterium globosum Pers. syn.* 98.

Ad ligna decorticata abietina rarius. (Neque generis notio neque locus in systemate certe patet.)

que dein reclinantibus in discum rimaeformem ascis erectis fixis, sporidia subgloboso 1-3 tinentibus s. vacuis intermixtis foetum reclusum

(*Hysterium Tode et auct. Hypoderma dermium Chev. Lichenis, Sphaeriae et X* auct.) Genus nobile cum Graphide Lichen cauteque ab hoc dignoscendum.

† *synphloeodea*, *ascomatibus innati simis cum cubilium epidermide conformibus, vegetabilia annua occupantibus.* (*Hysterii tr tecta et* 4. *Xyloma Fr.*)

2363. *H. punctiforme Fr.*, ascomat subrotundo-ellipticis minimis punctiformibus vertice depresso rima longitudinali inaequali tibus. — *Hysterium punctiforme Fr. syst. L*

Juxta nervos foliorum Quercus languidor

2364. *H. herbarum Fr.*, ascomatibus lipticis in macula exarida pallida sparsis dep demum concaviusculis, rima longitudinali di neum monstrante scissis. — *Hysterium herb*

Ad folia sicca Convallariarum aliarumqu herbarum passim.

2365. *H. foliicolum Fr.*, ascomatibu

Hypoderma xylomoides DC. gall. VI. 164. *Xyloma hysterioides Pers. syn.* 106., *icon.* 38. *t.* 10. *f.* 3.

Ad folia sicca arborum, praeprimis Crataegorum aliarumque Rosacearum passim.

2366. *H. Lauri Fr.*, ascomatibus epigenis insculptis symphloeodeis cum epidermide contiguis oblongis utrinque obtusis sparsis nigris opacis, rimula longitudinali tenerrima, striam dilutiorem mentiente connivente scissis. — *Hysterium Lauri Fr. in Schltdl. Linn.* 1830. *p.* 552.

Ad folia Lauri nobilis cujusdam aetate provectioris in horto thuringiaco semel.

2367. *H. maculare Fr.*, ascomatibus insculptis, maculam exaridam pallidam nonnisi nigro-limitatam obsidentibus subrotundo-ellipticis minutis nigris opacis, dein depressis inque rimulam longitudinalem discum stramineum monstrantem dehiscentibus. — *H. maculare Fr. syst. II.* 592. *Grev. scot. t.* 129. *f.* ?

Ad folia sicca arborum suffruticumque praeprimis Vaccinii uliginosi. Vere.

2368. *H. tumidulum Fr.*; ascomatibus epiphyllis ovalibus prominulis fusco-nigricantibus turgidis, dein in rimam longitudinalem labiis albentibus integris tenuatis occultatam dehiscentibus discumque sublividum monstrantibus. — *Hysterium tumidulum Fr. l. l. excl. var. β.*

Ad folia dejecta Fagi, Betulae aliarumque.

2369. *H. culmigenum Fr.*, ascomatibus innatis elliptico-oblongis prominulis laevibus nigris, maculam subdeterminatam gregatim obsidentibus, siccando diu clausis, humectando discum pallidum tenuem monstrantibus. — *Hysterium culmigenum Fr. l. l. H. gramineum Grev. scot.* t. 87.

Ad culmos graminum siccos vulgare.

2370. *H. arundinaceum Schrad.*, ascomatibus innatis symphloeodeis parce prominulis ovato-oblongis sparsis fusco-nigris rugulosis, ocius jam rima longitudinali tenuiter hiantibus. — *Hysterium arundinaceum Schrad.*

Journ. II. 68. *t.* 3. *f.* 3. *Fr. syst. II.* 591. *Hypoderma arundinaceum Rebent. neom.* 342. *pr. pr.*

Ad culmos Arundinis Phragmitis siccos passim.

2371. *H. scirpinum Fr.*, ascomatibus innatis rectis elongatis aterrimis, maculam pallidam nonnisi circumscriptam obsidentibus, primum depressis, dein turgidis in labia mediotenus cristato-prominula parallela longitudinaliter scissis discumque albidum monstrantibus. — *Hysterium scirpinum Fr. syst. l. l. Sphaeria Leptostroma Ehrenb. sylv.* 29. *Hypoderma scirpinum DC.*

Ad culmos Scirpi lacustris languidos passim.

2372. *H. commune Fr.*, ascomatibus innatis oblongis obtusis prominulis atris opacis, dein vertice labiis subrugosis fragilibus hiantibus discumque subfuligineum monstrantibus. — *Hysterium commune Fr. syst. II.* 589. *H. Artemisiae Schum. saell. II.* 155.

Ad caules herbarum firmiores, Epilobii v. c., Aconitorum, Artemisiarum aliarumque ejusmodi, si quidem ab H. Rubi revera differt.

2373. *H. melaleucum Fr.*, ascomatibus innatis hypophyllis ellipticis nigris laevibus, primum depressis, dein linea prominula carinata demum in rimam longitudinalem dilutiorem scissa exaratis. — *Hysterium melaleucum Fr. obs. I.* 192. *t.* 2. *f.* 1., *syst. II.* 589. *H. pulchellum Fr. l. l. (lusus labiis viridi-luteis.)*

Ad folia exsiccata Vaccinii Vitis idaeae passim.

2374. *H. sphaerioides A. et Schw.*, ascomatibus epiphyllis subinnatis summa pellicula decolore arcte obvolutis illamque permeantibus prominulis hemisphaericis nigris nitidis, demum utrobique hiantibus discumque mollem albidum monstrantibus. — *Hysterium sphaerioides Alb. et Schw. nisk.* 57. *t.* 10. *f.* 3. *Fr. syst. II.* 588.

Ad folia Ledi palustris Lusatiae. (*Alb. et Schweiniz.*)

2375. *H. nervisequum Fr.*, ascomatibus hypophyllis nervisequis in striam longissimam rectam nigram

[illegible] inertia, primum [illegible] (maculas [illegible] [illegible] dein elongatis [illegible] [illegible] rectis plenis [illegible] [illegible] elevato pronulo rimula longitudinali [illegible] fissis. — *Hysterium Rubi Pers. syn.* 100. *Fr.* 587. *Grev. scot. t.* 24. *Hypoderma virgultorum* [illegible] *gall. VI.* 165.

[illegible]rmenta emortua Ruborum passim.

[illegible]*ypophlocodea, ascomatibus primum hypo-* [illegible], *dein erumpendo epiphlocodeis.* (*Hysteria erum-* [illegible]*r. Lophodermium Chev. Dichaenae sp. Fr. Poly-* [illegible] *Chev. nec Stackh.*)

[illegible] *H. Striola Fr.*, ascomatibus primum hypo-[illegible] linearibus elongatis longitudinalibus nigris, [illegible] interruptas mententibus, dein epidermi-[illegible] infarcientibus emergentibus, intus gryseis. — [illegible] *Striola Fr. Dub. gall. II.* 720.

[illegible] Umbelliferarum German. austral.

[illegible] *H. Pinastri Schrad.*, ascomatibus epiphyl-[illegible]-immersis ovali-oblongis laevibus nigricantibus, [illegible] succinctis, dein in labia distincta, discum [illegible] dehiscentibus. — *Lophodermium Pi-* [illegible] *Hypoderma Pinastri DC. gall. II.* 303.

hypophloeodeis dein emergentibus punctiformibus atris nitidis, demum elongatis rima longitudinali dehiscentibus discumque carbonaceum atro-fuscum reeludentibus. — *Hysterium conigenum Moug. et Nestl. vog. n.* 75. *Dub. gall. II.* 719. *Fr. syst. II.* 586.

Ad squamas strobilorum Pini sylvestris passim.

2380. *H. degenerans Fr.*, ascomatibus primum hypophloeodeis, dein erumpentibus gregariis rotundatis elongatisve variis nigris, demum in labia subcrenata discum mollem lividum munientia reclusis. — *Hysterium degenerans Fr. syst. II.* 585.

Ad ramos siccos Vaccinii uliginosi passim.

2381. *H. Ledi Fr.*, ascomatibus erumpentibus elongatis sublinearibus atris subparallelis, dein in labia tenuia distantia discum rufescenti-nigrum sensim dilatatum munientia reclusis, cymbiformibus. — *Hysterium Ledi Fr. syst. II.* 585. *H. abietinum β. Ledi Alb. et Schw. nisk.* 56.

Ad ramos exsiccatos Ledi palustris Lusatiae. (*Albertini et Schweiniz.*)

2382. *H. rugosum Fr.*, ascomatibus primum hypophloeodeis, mox transversim erumpentibus subrotundis ovalibusque simplicibus utrinque obtusis confertis nigro-fuscis opacis duris, discum dilute fuscescentem sub rimula tenui labiis tumidis inflexis succincta occultantibus, denique confluentibus amorphis, pseudostroma crustaceum rimoso-rugosum transversim effusum fusco-atrum mentientibus epidermidemque derasam decolorem obliterantibus. — *Hysterium rugosum Fr. elench. II.* 141. *Opegrapha rugosa Schaer. spicil.* 52. *Opegrapha macularis Ach. lich.* 247. *Verrucaria rugosa Web. Lichen rugosus L. sp. II.* 1607. *pr. pr. Hoffm. enum. t.* 2. *f.* 5. — *Dill. hist. t.* 18. *f.* 2.

α. fagineum, ascom. majoribus ovalibus. — *H. rugosum α. fagineum Fr. l. l. Dickaena fagínea Fr. olim.*

Polymorphum fagineum Chev. Schizoderma fagineum Chev. paris. Phlocoscoria fagínea Wallr. Naturg. I. 222. *Opegrapha epiphega Ach. meth. O. fagínea et conglomerata Pers. Lichen conglomeratus et epiphegus Ach. prodr.*

β. quercinum, ascom. minoribus ovato-subrotundis. *Fr. l. l. Heterographa macularis Fée. Polymorphum quercinum Chev. Opegrapha quercina Pers. l. l.*

γ. coryleum, ascom. subrotundis minutis. *Fr. l. l.*

Ad corticem arborum l. vegetum, in truncis junioribus et ramulis ubertim. Per totum annum. (Hoc dudum ex Lichenibus expunxi Fungumque l. l. declaravi.)

2383. *H. Fraxini Pers.*, ascomatibus nigris opacis duris sparsis, primum hyphloeodeis subrotundis, dein ellipticis emergentibus simplicibus utrinque obtusis trigonisve acutiusculis, demum medioteuus discum linearem labiis tumidis volvato-inflexis laevibus occultatum monstrantibus majusculis, intus cinerascentibus obsolete cellulosis. — *Hysterium Fraxini Pers. syn.* 98. *Fr. syst. II.* 585. *Grev. scot. t.* 72. *Sphaeria sulcata Bolt. t.* 124.

Ad ramos siccos Fraxini, in agro thuring. frequens.

†††† *epiphloeodea, ascomatibus superficialibus epixylis corneis, praeter basin adnatam prominulis. (Hysteria denudata Fr. Hysteria proprie s. dicta DC.)* Graphides referunt et neque minus difficile ob habitum polymorphum ad species reducuntur.

2384. *H. ellipticum Fr.*, ascomatibus sparsis minutis subellipticis immersis nigris, dein ex labiis discum atrum revelantibus secedentibus concaviusculis. — *Hysterium ellipticum Fr. syst. II.* 583. *H. minutum DC.*

Ad corticem ramulorum salicinorum passim.

2385. *H. aggregatum DC.*, ascomatibus oblongis s. elongatis exiguis convexis parallelo-aggregatis nigris

laevibus, vertice rima tenui exaratis. — *Hysterium aggregatum DC. gall. VI.* 168. *Fr. syst. II.* 583.

Ad ligna quercina passim.

2386. *H. confluens W.*, ascomatibus immersis linearibus longissimis parallelis s. flexuosis atris nitidulis, primum compressis tenuiter sulcatis, dein discum angusterimosum labiis obtusis occultatum recludentibus, demum confluentibus, stratum contiguum explanatum mentientibus, raro sparsis. — *Hysterium longum auct. nec Pers.*

Ad lignum Crataegi exsiccatum durum Thuring. rarius (*Wallr.*) (Tabulam explanatam plicis rimulisque hieroglyphicis exaratam fere refert et praecedentis forsan statum praestat perfectiorem.)

2387. *H. angustatum Pers.*, ascomatibus subimmersis linearibus utrinque contractis acutiusculis sparsis s. confertis raro parallelis atris nitidulis, primum sulcato-rimosis, dein a centro inde in discum nigrum opacum rugulosum, labiis tumidis inflexis nitidis munitum reclusis. — *Hysterium lineare Fr. syst. II.* 583. *Grev. scot. t.* 167. *f.* 2. *H. Prostii Dub. gall. II.* 719. *H. angustatum Pers. syn.* 99. *Nees syst. f.* 303. (*ascom. parallelis.*)

Ad cortices arborum siccos desquamatos, Mali praeprimis, Pyri, Acerum aliarumque, ad ipsa ligna fabrefacta, in quibus plerumque ascomata parallela exadunt.

2388. *H. acuminatum Fr.*, ascomatibus subimmersis sparsis rectis atris lineari-lanceolatis acuminatis, dein in discum corneum conformem labiis tenuibus prominulis cinctum reclusis. — *Hysterium acuminatum Fr. syst. II.* 582.

Ad ligna vetusta faginea passim.

2389. *H. varium Fr.*, ascomatibus innato-superficialibus gregariis ellipticis s. elongatis variis nigris opacis, intus fuscescentibus, dein in rimam labiis obtusis obsoletisve conniventem parce hiantibus. — *Hysterium varium Fr. l. l.*

Ad ligna quercina et faginea passim, v. c. insulae Rugiae. (*Laurer.*)

2290. *H. biforme Fr.*, ascomatibus emergendo superficialibus, primum verrucosis subrotundis, dein oblongis rectis flexuosisque in discum rimosum album, labiis tumidis convexis latis obvallatum reclusis. — *Hysterium biforme Fr. syst. II.* 582.

Ad ligna dura et truncos decorticatos Betulae, Crataegi, Pyri, passim. (Cum Graphide varia analogum.)

2291. *H. episphaerium Fr.*, ascomatibus innato-superficialibus ellipticis depressis nigris, dein in discum flexuosum labiis planiusculis laevibus cinctum reclusis. — *Hysterium episphaerium Fr. syst. II.* 581.

Ad Sphaeriam Stigma ligulasque putrias rarius.

2292. *H. naviculare W.*, ascomatibus emersis striis nitidis, praeter basin adnatam liberis ovalibus oblongisque rectis curvisque semicylindricis, sulco rimaeformi, labiis rectis exceptis inscriptis.

Ad corticem ramorum Cerasi Thuring.

2293. *H. contortum Ditm.*, ascomatibus emersis elongatis opacis nigris, primum compresso-subcylindricis, vertice lineatis, dein in rimam tenuem labiis erectis prominulis munitam reclusis, rectis curvisque, nonnisi confluentibus, intus albentibus. — *Hysterium graphicum Fr. syst. II.* 581. *H. contortum Ditmar in Sturm germ. III. t.* 32.

Ad corticem Pini sylvestris Lusatiae (*Ditmar, Kunze*), nec non ad humum circa caudices vetustos collectum, quo loco saepius tomento stygio alieno, subiculum proprium mentiendi, solet insidere.

2294. *H. elongatum Wahlenb.*, ascomatibus erecto-oblongis utrinque obtusis rectis striis, praeter basin adnatam emergentibus sessilibus majusculis, primum vertice depressis, dein sulcum labiis tumidis inflexis obvallatum nudantibus. — *Hysterium elongatum Wahlenb. lapp.* 512. *excl. syn. Fr. syst. II.* 581.

Ad ligna decorticata duriora, Rhamni v. c. Salicis, Populi Hercyn. superior. rarius.

2395. *H. pulicare Pers.*, ascomatibus superficialibus subrotundis-ellipticis oblongisque turgidis sparsis atris nitidulis longitudinaliter striatis, dein in rimam labiis obtusis cinctam hiantibus. — *Hysterium pulicare Pers. syn.* 98. *Fr. syst. II.* 579. *Necs. syst. f.* 302. *Lichen alneus Ach. prodr. Lichenis spec. auct. med. aetat.*

β. elongatum, ascomatibus elongatis linearibus subparallelis. *Fr. l. l.*

Ad cortices et ligna quercina praeprimis, vulgare. (Figura et mole ludit et saepius decipit.)

NB. Inter dubias et a genere alienas nomino: *Hysterium candidum Tod.*, in Brassica; *H. coeruleum Tod.*, in ramis quercinis; *H. viride Alb. et Schw.* et *H. rotundum Bernhardi.*

301. STICTIS PERS. *Gruftschorf.*

Ascoma primum insculptum fariuoso-miculaceum obsolete cellulosum clausum hemisphaericum glebosum rude, farcimine ascophoro ceraceo nonnisi stillante s. verticem signante, dein subsidente fundumque replente farctum, demum erumpendo coactum inque limbum callosum veluti figuratum reclusum. Asci tennes fixi, sporidiis globosis minutissimis foeti.

(Stictis Pers. obs. et myc. Lk. Fr. excl. Xylographis. Pezizae sp. Pers. syn. Pezizae ascidiis imperfectis, margine hymenii accessorio Spr. syst. IV. 515. *Lichenis, Hysterii et Sphaeriae sp. auct.)* Habitu lichenoso praecellunt, nec inique cum Gyalecta Ach. s. Aecidio, analogis generibus comparantur.

† *hypophlocodeae, ascomatibus insculptis hypophlocodeis.*

2396. *St. insculpta W.*, ascomatibus hypophlocodeis insculptis corneo-coactis hemisphaericis albidis, sum-

me epidermidis pellicula diu obtectis illamque dein a centro inde scissam umbonatam elevantibus, humectis in discum album tenuem poroso-fatiscentem immersum immarginatum reclusis, siccando iterum contractis.

Ad ramulos salicinos Thuring. (*Wallr.*)

2397. *St. Lecanora Fr.*, ascomatibus hypophlocodeis insculptis corneo-coactis albidis, dein figuratis, epidermidis pelliculam lacero-s. stellatim scissam, limbo furfuraceo candido subintegro parce prominulo infarcientibus, demum urceolaribus discum ascophorum planum fulvum monstrantibus. — *Stictis Lecanora et ocellata Fr. syst. II.* 193. *Peziza ocellata Pers. myc. P. Lecanora Schmidt et Kunze D. Schw. n.* 174.

Ad ramos salicinos siccos passim.

2398. *St. Betuli Fr.*, ascomatibus hypophlocodeis carnoso-ceraceis mollibus gregariis subrotundis oblongisque difformibus albis subimmarginatis, dein planiusculis pallentibus. — *Cryptomyces Betuli Grev. scot. t.* 206. *Fr. elench. II.* 27. *Stictis Betuli Fr. syst. II.* 193. *Peziza Betuli Alb. et Schw. nisk.* 309.

Ad ramos siccos Carpini et Tiliae, v. c. Lusatiae infer. (*Alb. et Schweiniz.*) (Abnormis quidem et novi generis cives, mihi vero ignotus.)

2399. *St. Pelvicula Fr.*, ascomatibus orbicularibus majusculis laevibus rufescenti-pallidis profunde excavatis cupuliformibus. — *Fr. syst. II.* 196. *Peziza pelvicula Pers. myc. I.* 337.

Ad ramulos siccos salicinos rarius.

†† *entophlocodeae, ascomatibus primum immersis, dein erumpentibus.*

2400. *St. pallida Pers.*, ascomatibus immersis gregariis punctiformibus pallidis, halone oblongo albidiore cinctis, primum clausis, dein ore elliptico hiantibus discumque urceolatum gilvo-pallidum monstrantibus, siccando conniventibus. — *Stictis pallida Pers. obs. II.* 74.

t. 6. f. 7. Fr. syst. II. 196. *Peziza punctiformis Pers. syn.* 674.

Ad ligna sicca passim. (Generis dubia civis.)

2401. *St. arundinacea Pers.*, ascomatibus immersis orbicularibus, primum clausis aequalibus, dein limbo prominulo integerrimo parce pilosulo demum calvo obtuso emergentibus osculoque aperto regulari discum coerulescentem monstrantibus. — *Stictis arundinacea Pers. myc.* 1. 336. *Fr. syst. II.* 195.

Ad stramina arida tectorum, vere rarius.

2402. *St. stellata W.*, ascomatibus immersis clausis, dein emersis orbiculatis exiguis liberis sessilibus subglobosis, vertice in osculum rotundum, fundum concavum concolorem monstrans reclusis corneis albis, extus tegmine furfuraceo grumoso albo-cinereo 4-6 radiato obductis s. stellatis.

Ad caules siccos Arctii Bardanae agri thuring. rarissime.

2403. *St. radiata Pers.*, ascomatibus immersis orbicularibus clausis corneis, dein vertice in osculum rotundum patulum, limbo extus pulverulento niveo parce prominulo calloso revoluto lacero redimitum reclusis fundumque urceolatum abstrusum, farcimine ascophoro primum liquido dein ceraceo flavente s. aurantio scatentem monstrantibus. — *Stictis radiata Pers. obs. et syn.* 674. *Fr. syst. II.* 194. *Grev. scot. t.* 227. *Peziza accidioides Nees syst. f.* 263. *P. marginata Relh. Sowerb. t.* 16. *Lichen excavatus Hoffm. enum.* 47. *t.* 7. *f.* 4. *Sphaerobolus rosaceus Tod. mecl. I.* 44. *t.* 7. *f.* 58. *Lycoperdon radiatum L.*

Ad corticem arborum, Salicis capreae praeprimis, nec non Rhamni, Pyri aliarumque et ad ipsos culmos exsiccatos, passim.

2404. *St. Pupula Fr.*, ascomatibus erumpentibus hemisphaericis albo-farinosis, dein vertice farcimen ascophorum atrum primum subglobosum mox deplanatum sustinentibus illudque sensim dilatando basinque micu-

farinosam candidam limbi instar elegantem recli-
as, patellaribus. — *Stictis Pupula Fr. syst. II.*
lanch. II. 25. *St. radiata auct. ipsiusque Alb. et*
Stictis mollis Pers. Urceolaria monocarpa Dufour.
Pupula Spr. syst. l. l. Sphaeria venusta Sommerf.

ramulos siccos Rosarum nec non Tiliae, Populi, Pruni
icae, Pyri Mali ipsaque stramina sicca, et ligna
ia arida tectorum in agro thuring. passim, alibi
ne. (Quam primus anno 1812 *Verrucariae cae-*
itulo l. l. sustuli, variat insigniter mole; inter
sphaeriam cubicularem, adulta vero Pezizam haud
efert et locis udis ab ascomate informando facile
inque cubilibus stillam ascophoram erumpentem
a nudam relinquit (*Agyrium atrovirens Fr. syst.*
2. Tuberculariа atrovirens Spr. syst.)

5. *St. chrysophaea Pers.*, ascomatibus inscul-
in erumpentibus orbicularibus in osculum rotun-
atulum, limbo crassiusculo erecto subrepando aureo
tum reclusis fundumque excavatum rubrum mon-
bus, urceolaribus. — *Stictis chrysophaea Pers.*
. 335. *Fr. syst. II.* 194. *Peziza Pers. syn.* 674.,
. 8. *f.* 1.
ramos siccos decorticatos abietinos Hercyn. su-
Persoon.)

6. *St. ollaris W.*, ascomatibus erumpentibus
ulis atris membranaceis globosis clausis, extus teg-
enui farinoso-grumoso obductis, dein emersis ver-
nbonato osculo circinato patulo hiantibus hemi-
icis, ollaribus. — *Peziza sphaeroidea W. in lit.*
ramos Rhamni Frangulae Thuring., quoad generis
m dubiam hanc sp. passim legi.

302. PHIBALIS W. *Feigenträger.*

oma erumpens sessile, dein liberum obverse pyri-
carnoso-subcoriaceum, primum marginibus inflexis
entibus clausum, dein circinatim reclusum discum-

que infundibuliformem profunde immersum tenuem, ascis linearibus oligosporis foetum monstrans.

(*Pezizae tribus Encoelia Fr. syst. P. erumpentes corticolae sicciores Wahlenb. suec.*)

2407. *Ph. farinacea W.*, ascomatibus erumpentibus sessilibus depressis solitariis nigro-subrufescentibus, disco farinaceo, margine prominulo dilatato cincto. — *Tympanis farinacea Pers. myc. I.* 326. *excl. syn. teste Fr. syst. II.* 176.

Ad ramos exsiccatos pineos Hercyn. (*Persoon.*)

2408 *Ph. pulveracea W.*, ascomatibus gregariis nigricantibus, extus scobe furfuracea cinerea obtectis, primum subglobosis, dein in basin stipitiformem productis turbinatis, vertice semipatulis. — *Cenangium pulveraceum Fr. syst. II.* 181. *Peziza pulveracea Alb. et Schw. nisk.* 342. *t.* 8. *f.* 2. *P. ramosa Ehrenb.* (*ceu monstrum stipite subramoso.*)

Ad corticem betulinum Lusatiae rarissime. (*Alb. et Schweiniz.*)

2409. *Ph. bicolor W.*, ascomatibus hypophloeodeis mox epidermidem scissam penetrantibus, e strato pseudostromatico carnoso convexulo caespitose erumpentibus, extus tegmine furfuraceo stipato albo-cinereo vestitis, primum subrotundis basi subaequalibus clausis sphaeriaeformibus, dein in basin productis subturbinatis vertice in osculum circinatum, demum in discum planum fuscoatrum margine tenui cinctum reclusis, scutellaribus.

Ad Rhamni Frangulae ramulos siccos Thuring. pluribus quidem locis, omnibus tamen rarissime. Vere. (Ascomata 2–6 in caespitem juncta stratoque coccineo epidermidis juncta, primum Sphaeriam ovinam, adulta magis deplanata Patellariam abietinam W. haud male referunt.)

2410. *Ph. fascicularis W.*, ascomatibus hypophloeodeis, mox epidermidem lacero-scissam infarcientibus subeuntibusque coriaceis fusco-nigricantibus rugulosis sae-

pius scobe arenulosa adspersis stipato-caespitosis, primum subturbinatis margine volvato crasso inflexo clausis, dein magis deplanatis discum nigro-fuscum tenuiter marginatum monstrantibus, difformibus. — *Peziza fascicularis Alb. et Schw. nisk.* 315. *t.* 12. *f.* 2. *Fr. syst. II.* 15. *P. populnea Pers. syn.* 671.

Ad ramos moribundos Populi tremulae nec non Fraxini et Salicis fragilis passim.

2411. *Ph. fissa W.*, ascomatibus hypophloeodeis, mox epidermidem lacero-scissam infarcientibus subeuntibusque subcaespitosis sessilibus membranaceis fragilibus, primum clausis, extus scobe farinosa dilute-cinnamomea s. cervina adspersis, dein hiantibus discumque album recludentibus. — *Peziza fissa Fr. syst. II.* 75. *P. fasciculari β. corylina Wahlenb. suec. II.* 993. *P. lacera Pers. myc. I.* 227. *nec homonym. p.* 280 *et Willd.*

Ad ramos coryleos (*Ehrenberg*), alneos equidem.

2412. *Ph. glabra W.*, ascomatibus hypophloeodeis subsolitariis, mox epidermidem scissam superantibus sessilibus membranaceis tenacellis, extus glabris nitidis dilute-fuscescentibus, dein discum albo-pallescentem marginibus inflexis cinctum recludentibus.

Ad ramulos quercinos juniores languidos Thuring. (*W.*)

2413. *Ph. furfuracea W.*, ascomatibus sessilibus caespitosis carnoso-coriaceis majusculis saepius difformibus, extus furfure ferrugineo-pallido obtectis, dein discum cinnamomeo-nigrum margine involuto cinctum recludentibus. — *Peziza furfuracea Pers. syn.* 672. *Roth cat. II.* 357. *t.* 9. *f.* 3. *Alb. et Schw. nisk.* 343. *cum var. β. caespitosa.*

Ad ramos coryleos et alneos passim.

2414. *Ph. ampliata W.*, ascomatibus sessilibus teneris carnosulis fragilibus, e basi abrupte dilatata campanulatis, extus nudiusculis fuligineo-fuscis. — *Peziza ampliata Pers. icon.* 31. *t.* 8. *f.* 4. *Fr. syst. II.* 76.

Ad arborum truncos Hercyn. (*Persoon.*)

803. SOLENIA HOFFM. *Röhrenträger.*

Ascoma simplex basi farcta sessile membranaceum erectum, dein elongatum tubulosum, vertice obtuso in os integrum constrictum relusum, intus hymenio pertenui, ascis imperfectis subglobosis foeto vestitum.

2415. *S. ochracea Hoffm.*, ascomatibus sparsis s. gregariis clavato-cylindricis tenerrimis fragilibus declinatis, extus pilis brevibus fibrosis rigidulis adpressis ochraceis hirsutis, intus albidis. — *Solenia ochracea Hoffm. germ. III. t. 8. f. 2. Pers. myc. I. 334. Fr. syst. II. 201. Peziza Hoffmanni Spr. syst. IV. 516. P. ochracea Pers. syn. 675.*

Ad caudices arborum, Tiliarum v. c. putres passim. (Pezizam anomalam colore fere refert et nonnisi cubilia strato concolore obducit.)

2416. *S. candida Hoffm.*, ascomatibus sparsis cylindricis candidis tenerrimis fragilibus glaberrimis, demum in os truncatum revoluto-marginatum reclusis. — *Solenia candida Hoffm. l. l. f. 1. Pers. et Fr. l. l.*

Ad lignum fagineum putridum. (*Hoffmann.*)

2417. *S. fasciculata Pers.*, ascomatibus confertim-gregariis subfasciculatis clavato-cylindricis, extus pilis adpressis tenerrimis subsericeis albis vestitis, dein calvis. *Solenia fasciculata Pers. myc. 335. t. 12. f. 8. 9. Fr. syst. II. 200. S. candida Moug. S. incana Pers. syn. 675. (lusus albido-ferrugineus.) Peziza Solenia DC. gall. II. 80.*

Ad ligna pinea et betulina in terra uda putrescentia rarius.

804. PEZIZA DILL. *Becherträger.*

Ascoma carnoso-membranaceum s. ceraceum sessile centrove stipitatum, primum marginibus conniventibus clausum, dein in discum rotundatum ascophorum discolorem dilatatum, cupuliforme, extus s. ad latuscula (ve-

lum Fr.) varium. Hymenium distinctum persistens laeve s. politum marginibus exceptum, disciforme. Asci insignes fixi distincti, alii perfecti sporidiis numero variis, saepius octonis (*Octospora Hedw.*), elastice demum prosilientibus foeti, alii inanes intermixti (*paraphyses auct.*)

(*Peziza Dill. Pers. emend. generis charactere. Nees. Fr. Encoelia Hill. Octospora Hedw. Patella Weber. Pezica (Plinii), Honsola, Pissidia, Ugola, Terana, Trombetta Adans. Elvellae sp. Gled. Schaeff. Fungoides Tournef. Mich.*) Vegetabilia vulgivaga plerumque, veris et auctumni tempore udo vigentia.

A. dasyscyphae, ascomatibus ceraceis tenacellis, primum et plerumque diutius iterumque siccando conniventibus, extus pube tenera patula s. rigidula magis adpressa, sive in villum laxum sive in tomentum stipatum contexta, habitum mollem veluti innocuum s. torvum magis impertiente, undique aequaliter vestitis, intra verticis margines hymenium tenue, ascis exiguis sporidia simplicia continentibus foetum informantibus, figura variis, sessilibus s. stipitatis, ipsis cubilibus nec strato superadditis. (Pezizae series II. Lachnea Fr. excl. tribu 8. Fibrina et 7. Tapesia. P. villosae Nees et Mart.)

† *sessiles, ascomatibus epiphlocodeis sessilibus.*
* *epiphytae, in partibus pl. annuis vigentes.*

2418 *P. punctiformis Fr.*, ascomatibus sessilibus minutissimis saepius fugacibus, diu clausis hemisphaericis discumque concolorem occultantibus, extus villo niveo, pallido s. dilute fuscescente vestitis globulumque punctiformem floccosum mentientibus. — *Peziza punctiformis Fr. syst. II.* 105. *nec Pers. P. dryophila Pers. myc. I.* 265.

Ad folia putrescentia, alnea praeprimis et quercina, ad ramulos abietinos et Clematis vites.

2419. *P. Arundinis Fr.*, ascomatibus sessilibus perexiguis punctiformibus gregariis, extus villo tenui sub-

ferrugineo dein caduco vestitis fuscescentibus, disco-pellide-fuligineo. — *Peziza Arundinis Fr. syst. II.* 105.

Ad culmos Arundinis Phragmitis siccos. (*Kunze.*)

2420. *P. micaceaPers.*, ascomatibus sessilibus gregatim congestis tenerrimis, extus villo delicatissimo pallide-helvolo vestitis. *Pers. myc. I.* 268. *Fr. l. l.*

Ad caulem Cardui nutantis talem qualem legi, senio jam confectam.

2421. *P. villosa Pers.*, ascomatibus sessilibus minutis persistentibus globosis diu conniventibus, extus vellere albo vestitis, disco pallido s. carneo. — *Peziza villosa Pers. syn.* 655. *Alb. et Schw. nisk.* 325. *Fr. syst. II.* 104. *P. granuliformis Pers. syn.* 651. *P. Sclerotium Pers. obs. II.* 84. *P. sessilis Sowerb.*

β. carnea, ascomatibus intus incarnatis. *P. granuliformis Nees syst. f.* 273. *P. incarnata Pers.* 165.

Ad caules herbarum siccos et semiputres, folia decidua ipsosque Agaricos, Isariae comes.

2422. *P. Nidulus Schm.*, ascomatibus sessilibus punctiformibus depresso-globosis fusco-badiis, pilis fusco-castaneis, exterioribus nonnisi ferrugineo-pulverulentis torvis demum caducis, superioribus inflexis diutius seriatimque persistentibus discumque impresso-mammillarem obturantibus. — *Peziza Nidulus Schmidt et Kz. D. Schw. n.* 72. *Fr. syst. II.* 104. *Pers. myc. I.* 250.

Ad caules siccos, praeprimis Convallariae multiflorae, v. c. Lusatiae (*Schmidt*), agri badens. (*Hartmann et Kneiff*), Thuring. (*Wallr.*) rarius. (Ad Pezizas trichoscyphas reflectit; ascomata enim primum undique pilis strigosis porrectis inhorrescentia, dein recalva et saepius vertice impresso mammillato solum setulis residuis inflexis obturantur.)

2423. *P. sulfurea Pers.*, ascomatibus sessilibus tenacellis, primum subglobosis strigoso-tomentosis, pilis marginalibus discum carneum (humectando) recludentibus, (siccando) occultantibus sulfureo-virentibus, reliquis

sordide-fuscescentibus, demum omnibus concoloribus. — *Peziza sulphurea Pers. myc. I.* 250. *pr. pr. Fr. syst. II.* 104. *P. citrinella DC. gall. VI.* 24. *P. virescens Schum. Fr. l. l.*

Ad caules herbarum elatiorum, Urticae praeprimis, passim. (Ascomata primum subglobosa, ob pilos superiores sulfureo-virentes et inferiores fuscescentes, bicolora demum magis subsidunt, deplanari incipiunt et concolora sordide fuscescunt.)

2424. *P. adpressa W.*, ascomatibus primum subsessilibus rotundis ocius jam in discum planum vitellino-lutescentem pallescentem reclusis iisque adpressis planis lenticularibus majusculis, subtus parce tomentosis, margine pilis brevissimis rectis parcis prominulis pallide-sulfureis fimbriatis.

Ad caules Helianthi annui siccos agri northus. (*Wallr.*)

2425. *P. relicina Fr.*, ascomatibus sessilibus minutis obconicis badiis, pilis erectis confertis strigosis vestitis. — *Fr. syst. II.* 103. *P. Atropae Alb. et Schw. nisk.* 320.

Ad caules herbarum siccos, Atropae v. c., Chenopodiorum, Sonchorum aliarumque passim.

2426. *P. Platan'i Pers.*, ascomatibus sessilibus pusillis extus parce setosis nigris torvis, primum conniventibus subglobosis, dein discum planum albidum recludentibus subsidentibus. — *Peziza Platani Pers. myc. I.* 253. *Fr. syst. II.* 103.

Ad folia decidua Aceris Pseudo-Platani German. boreal. rarissime. (*Persoon.*)

2427. *P. strigosa Fr.*, ascomatibus innato-sessilibus applanatis concavis strigosis nigris, disco pallido. — *Fr. syst. II.* 103.

Ad culmos et folia graminum arida passim.

** *epixylae, in lignis nascentes.*

2428. *P. hyalina Pers.*, ascomatibus sessilibus punctiformibus subglobosis mollibus diu clausis, demum ap-

planatis pilos parcos exuentibus, humectis vitreo-pellucidis. — *Peziza hyalina Pers. syn.* 655. *Fr. syst. II.* 102. *Alb. et Schw. nisk.* 326.

Ad ligna putredine exesa uda vulgaris.

2429. *P. Pineti Batsch*, ascomatibus sessilibus gregariis cereaceis crassiusculis stipatis, extus parce villosis cano-fuscescentibus, primum urceolatis dein explanatis calvescentibus discumque planum pallidum recludentibus. — *Peziza Pineti Batsch elench.* 201. *f.* 140. *Fr. syst. II.* 101. *P. lurida Pers. syn.* 666. *Alb. et Schw. nisk.* 337.

Ad folia Pinorum delapsa udore conglobata.

2430. *P. episphaeria Mart.*, ascomatibus sessilibus minutis gregariis, extus pilis propexis ciliatis albis obsessis, dein planis discum dilute lutescentem recludentibus. — *Peziza episphaeria Mart. crl.* 465. *Fr. syst. II.* 100.

Ad Sphaeriam deustam agri erlang. (*Martius.*)

2431. *P. variecolor Fr.*, ascomatibus sessilibus gregariis stipatis, extus floccis villosis vestitis ex flavo fuscoque pallescentibus, primum globosis clausis granuliformibus, dein subsidentibus discumque (humectando) urceolatum albo-pallescentem recludentibus. — *P. variecolor Fr. l. l. P. sulphureo-caesia Schum. saell. II.* 432. *P. sulphureae var. Pers. syn. l. l. P. albo-lutea Pers. icon.* 31. *t.* 8. *f.* 4. *P. hydnoidea Sowerb. t.* 178.

Ad ligna putrida quaecunque frequens. (Colore admodum vario redit, frequentius flavescit s. cum pallore admisto lividum s. fusco-umbrinum ostendit.)

2432. *P. flavo-fuliginea A. et Schw.*, ascomatibus sessilibus gregariis teneris mollibus strigoso-hirtis lacte sulfureis, primum cupularibus, dein subsidentibus subrotundis discum olivaceo-fuligineum recludentibus, demum saepius flexuosis. — *P. flavo-fuliginea Alb. et Schw. nisk.* 319. *t.* 11. *f.* 7. *Fr. syst. II.* 100.

Ad lignorum frusta et folia madore putria in sylvarum penetralibus humectis passim. Auctumno.

2433. *P. rufo-olivacea A. et Schw.*, ascomatibus sessilibus sparsis carnoso-cerraceis molliusculis, extus villoso-pulverulentis sordide rufo-ferrugineis, dein orbiculato-applanatis, discum e viridi olivaceum demum nigrescentem recludentibus. — *Peziza rufo-olivacea Alb. et Schw. nisk.* 320. *t.* 11. *f.* 4.

Ad ramos emortuos Ruborum, v. c. Lusatiae. (*Albert. et Schw.*), Viburni, Thuring., Ribis. (*Martius.*)

2434. *P. barbata Kz.*, ascomatibus sessilibus gregariis aduatis ferrugineis tomento ferrugineo adpresso obtextis, primum conniventibus globosis, dein subsidentibus discumque pallidum recludentibus. — *Peziza barbata Kunze in Fr. syst. II.* 99. *P. Xylostei auct. P. rufo-olivacea DC. P. pellita Pers. myc. I.* 264.

Ad ramos Lonicerae Xylostei et Caprifolii languidos, montis vogesi v. c. et agri thuring. passim.

2435. *P. spadicea Pers.*, ascomatibus sessilibus sparsis majusculis duriusculis, extus tomento stipato spadiceo vestitis, primum orbicularibus, dein ore connivente discum pallidum monstrantibus. — *Peziza spadicea Pers. myc. I.* 252. *Fr. syst. II.* 98. *nec Batsch.*

Ad ramos Tiliae et Populi tremulae languidos.

2436. *P. hispidula Schrad.*, ascomatibus sessilibus subcarnosis atris nitidis setisque concoloribus patentibus hispidis, primum urceolatis, dein discum caesio-album recludentibus. — *Peziza hispidula Schrad. Journ.* 1799. *II.* 64. *Fr. syst. II.* 98. *Pers. myc. I.* 247. *P. discolor Mart. crl.* 464. *P. strigosa β. Pers. syn.* 648.

Ad ligna ramosque dejectos passim.

2437. *P. flammea A. et Schw.*, ascomatibus sessilibus firmis extus pilis adpressis strigoso-villosis flammeo-rubiginosis, intus nigris, primum clausis, dein discum concolorem ferrugineum recludentibus. — *Peziza flammea Alb. et Schw. nisk.* 319. *t.* 1. *f.* 6. *Fr. syst. II.* 96.

Ad ligna dura, Mali v. c., Carpini aliarumque ejusmodi arborum passim.

2438. *P. cruenta W.*, ascomatibus sessilibus mollibus, extus pilis villosis tortuosis laxe adpressis vestitis ferrugineo-cruentis, primum clausis dein discum albo-pallidum cum compage interna concolorem recludentibus.

Ad ramulos siccos Corni masculae agri badensis (*Kneiff*), thuring. (*Wallr.*) (Habitu praecedentem aemulatur, villi colore ferrugineo-cruento et disci compagisque internae pallore affatim differt.)

2439. *P. corticalis Pers.*, ascomatibus sessilibus duriusculis gregariis, extus piloso-tomentosis pallide-fuscescentibus, demum ex flocculis adspersis magis cinerascentibus, intus fusco-rufis, siccis conniventibus subglobosis basi tenuatis, humectis discum pallide-fuscum recludentibus. — *Peziza corticalis Pers. syn.* 651. *Alb. et Schw. nisk.* 322. *Fr. syst. II.* 96. *P. granulaeformis Schum. P. urceolata Rutstr. nec Vahl.*

Ad corticem duriorem arborum vetustarum Populi praeprimis, Alni, Quercus pone radicem.

2440. ?*P. tumida Pers.*, ascomatibus sessilibus sparsis mollibus, extus pilis patentibus, inferioribus pallide-cinnamomeis, supremis albentibus vestitis, primum (et siccando) clausis subglobosis dein subsidentibus discumque nigro-fuscum recludentibus. — *Peziza tumida Pers. myc. I.* 269. *Fr. syst. II.* 97.

Ad sarmenta Vitis Thuring. rarius.

2441. *P. farinosa W.*, ascomatibus sessilibus molliter carnosulis, siccis clausis globosis, extus pilis propexis tenerrimis dilute cinnamomeis sparsis confertisve iisque apice farinula albida adspersis undique vestitis similiterque in stratum tenue intertextis, humectis discum concavum dilute-carneum margine inflexo cinctum recludentibus. — *Peziza carneola W. in lit.*

Ad lignorum caesorum frustula humi jacentia, Fraxini v. c., Tiliae, Fagi Thuring. passim. (Praecedenti similis, at superficie tenuiori tomentosula, pilis similibus in stratum tenue saepius intertextis diversa, cum *P. rufiberbi Alb. et Schw. et Fr. syst. II.* 107. forsan comparanda.)

[illegible] II. [illegible] P. fallax [illegible] Vitis Wallr. in lit. Fr.

[illegible] et Ruborum Thuring. [illegible] emergentibus haud mediocriter a genere [illegible] tamen convenit. Monstra e disco proli-[illegible]arrunt.)

P. syringea W., ascomatibus sessilibus spar-[illegible]s, extus villo propexo rigidulo candido (as-[illegible]ratitis, intus fuscescentibus, primum (et sic-[illegible]iventibus globosis punctiformibus, dein discum [illegible]cludentibus deplanatis ascosque pulverulentos [illegible]minoes eructantibus.

[illegible] Syringae vulgaris, Lonicerae Caprifolii, [illegible]ulgaris. (Habitu et superficie cum praecedente [illegible] pallido, demum ascis emersis et pulveris [illegible]minei instar profusis neque minus congener.)

P. bicolor Fr., ascomatibus subsessilibus [illegible]fertisque e basi obtusa leviterque producta [illegible] mamillis mollibus, extus villo propexo ri-[illegible]loti [illegible]) candido denso undique vestitis, [illegible] sicando) conniventibus depressis, dein di-[illegible]bro-luteoque pallescentem s. discolorem reclu-[illegible] — Peziza bicolor Bull. champ. t. 410. f. 3. [illegible]

Oxyacanthae, vulgaris. (Auctores inter P. stipitatas referunt ob basin saepius productam; equidem hoc loco laudo ob habitum congruum.)

†† *stipitatae, ascomatibus in stipitem desinentibus.*

2445. *P. acuum A. et Schw.*, ascomatibus tenerrimis minimis cum stipite debili longo cupulaque plano-concaviuscula albidis hirsutiusculis. — *Peziza acuum Alb. et Schw. nisk.* 330. *Fr. syst. II. II.* 95. *P. perpusilla Pers. myc. I.* 317.

Ad arborum coniferarum folia in pinetorum altis penetralibus passim. (Viva albescit hirsutiemque tenerum induit, trita rubescit.)

2446. *P. torva W.*, ascomatibus minutissimis albis, primum e basi tenuata stipitiformi adpresso-pilosa penicilliformibus, dein subglobosis stipitem occultantibus, in discum urceolatum lutescentem reclusis, extus pilis porrectis rigidulis patulis torvis.

Ad ligna Pyri communis arida passim.

seis). *P. albo-marginata Schum. saell. II.* 436. *P. cyathula Pers. (subferruginea.)*

Ad caules herbarum siccos minime rara quidem at dubiis vexata.

2450. *P. clandestina Bull.*, ascomatibus stipitatis gregariis turbinatis cervinis, extus furfuraceo-villosis, demum in discum albidum concavum reclusis. — *Peziza clandestina Bull. champ.* 251. *excl. icon. Pers. myc. II.* 262. *Fr. syst. II.* 94.

Ad ramulos dejectos (Ruborum), caules Solani tuberosi siccos aliasque quisquilias.

2451. *P. rorida W.*, ascomatibus semiglobosis parvis albo-pallescentibus in discum concolorem s. lutescentem concavum reclusis, extus cum stipite brevi in basin tenuato pilis teneris apice crystallino-granulosis adspersis. — *P. glandulosa W. in lit.*

Ad ligna sicca faginea Thuring. passim.

2452. *P. striatula W.*, ascomatibus stipitatis obconico-turbinatis parvis albis dein stramineis, vertice depresso in osculum angustum marginibus inflexis cinctum reclusis, extus cum stipite filiformi striato firmo producto pilis rigidulis patulis brevibus fragilibus caducis torvis.

Ad ligna Crataegi Oxyacanthae Thuring. rarius. (Habitus P. anomalae, at stipite striato et pilis mollioribus, laxioribus et fragilioribus diversa.)

2453. *P. sericea A. et Schw.*, ascomatibus breviter stipitatis, extus villo viridulo dein fuscescente circa marginem albicante sericeo-nitente adpresso tectis carnosis, obconicis, dein cupularibus in discum concavum ochraceo-ferrugineum reclusis. — *Peziza sericea Alb. et Schw. nisk.* 325. *t.* 3. *f.* 7. *Fr. syst. II.* 93.

Ad ligna putrida in locis udis Lusatiae. (*Alb. et Schw.*)

2454. *P. cerina Pers.*, ascomatibus subsessilibus gregariis vellere furfuraceo denso lutescenti-olivaceo rigidulo (versicolore) vestitis, primum (exsiccandoque) he-

misphaerico-tornatis undique clausis, dein vertice in osculum rotundum angustum reclusis, demum discum vitellino-ochraceum aperientibus, intus stipiteque curto crassiusculo (nonnisi plane nullo) atro-fuscis. — *Peziza cerina Pers. syn.* 651. *Alb. et Schw. nisk.* 321. *Nees syst. f.* 283. *(discus nimis virens.) Fr. syst. II.* 92. *P. lutescens Pers. olim. P. biformis Flor. dan. t.* 1260. *P. bicolor Schum. P. marginata Holmsk.*

Ad ligna sicca, fraxinea praeprimis et quercina minime rara. (Cum Sphaeria mutabili comparanda. Color eximie variabilis, primum vivide lutescens, dein olivaceus, saepius fuscus s. gryseus, qualis *P. grisea Pers. myc.*)

2455. *P. viridula Schrad.*, ascomatibus stipitatis cyathiformibus viridulis, extus albido-villosis. — *Schrad. Journ. l. l.* 63. *Fr. syst. II.* 91.

Ad truncos putres nemoris sollingens. (*Schrader.*)

2456. *P. calycina Pers.*, ascomatibus crumpentibus breviter stipitatis infundibuliformibus albido-villosis, dein in discum planiusculum aurantiacum reclusis. — *Peziza calycina Pers. syn.* 653. *Fr. syst. II.* 91. *P. calycina β. flavo-coccinea Alb. et Schw. Octospora calycina Hedw. musc. II.* 64. *t.* 22. *B. P. calyciformis Willd. berol. Batsch. cont.* 1. *f.* 135.

β. chrysophthalma, ascom. primum vitellino-aureis, stipitis basi nigrescente. *P. calycina β. Abietis Fr. l. l. P. chrysophthalma Pers. myc.*

Ad ramos putrescentes Pini Abietis et sylvestris vulgaris. (P. calycinae titulus apud auctores satis ambiguus est.)

2457. *P. pithya Pers.*, ascomatibus gregariis ceraceo-carnosis firmis, extus stipiteque brevi villo delicato dein fugaci vestitis rubellis, demum in cupulam planiusculam aurantio-rubram dilatatis. — *Helotium pithyum Fr. syst. II.* 155. *Peziza pithya Pers. syn.* 652. *icon. t.* 11. *f.* 2. *Nees syst. f.* 287. *Alb. et Schw. nisk.* 323.

Ad ramulos et folia languida Pinus Piceae rarius.

2458. *P. patula Pers.*, ascomatibus exiguis stipitatis extus dense villosis albis, primum hemisphaericis dein in discum planum lutescentem reclusis. — *Peziza patula Pers. syn.* 654. *Alb. et Schw. nisk.* 324. *Nees syst. f.* 285. *Fr. syst. II.* 91.

Ad folia quercina, populina et betulina dejecta passim.

2459. *P. nivea Fr.*, ascomatibus breviter stipitatis candidis villoso-tomentosis turbinatis. — *Peziza nivea Fr. syst. II.* 90. *P. virginea Flor. dan. t.* 1440. *f.* 1. *Octospora nivea Hedw. fil. P. clandestina Bull. t.* 416. *f.* 1. *excl. descript.*

Ad ramulos locis udis dejectos passim.

2460. *P. virginea Batsch*, ascomatibus stipitatis gregariis exiguis candidis, extus pilis confertis patulis longis obsessis, primum hemisphaericis, dein in discum luteo-flaventem planum dilatatis. — *Peziza virginea Batsch. Pers. syn.* 653. *Fr. syst. II.* 90. *P. nivea Sowerb. t.* 65. *P. parvula Flor. dan. t.* 1016. *f.* 4. *Lachnum agaricinum Retz. P. calycina auct. P. carpophila Pers. obs.*

Ad ligna, cortices, folia ipsaque pericarpia praeprimis faginea ubertim.

2461. *P. ciliaris Schrad.*, ascomatibus stipitatis gracilibus niveis, extus pilis sparsis longis obsessis, cyathiformibus, discum pallidum recludentibus. — *Peziza ciliaris Schrad. Journ. l. b.* 63. *Alb. et Schw. nisk.* 324. *Fr. syst. II.* 89.

Ad folia dejecta quercina et faginea Hercyn. inferior. passim.

2462. *P. proboscidea W.*, ascomatibus stipatis insignibus, extus undique pilis sericeis implexis candidis nitentibus adpressis vestitis, e basi producta cylindrica abrupte in cupulam cyathiformem desinentibus discumque roseo-coccineum, margine inflexo cinctum concavum recludentibus. — *P. calycina auct.*

Ad terram nudam nemoris Roslebiens. Thuring. 1809.

(Insignis: stipite centimetrum dimidium longo, unguem crasso, disco roseo-coccineo et tomento sericeo fibroso candido nitido adpresso.)

B. trichoscyphae, ascomatibus sessilibus carnosis, mole et colore variis, sive solum ad marginem, sive simul ad latuscula pilis setosis hirtis coloratis fistulosis continuis septatisve rectis, habitum torvum impertientibus obsessis, vertice hymenium discoideum ex asis di-octosporisve conflatum recludentibus.

(Pezizae tribus 5. sarcoscyphae sessiles pr. pr. et ciliares Fr. syst.)

2463. *P. tentaculata W.*, ascomatibus sessilibus parvis subrotundis atris carnoso-membranaceis, primum conniventibus, dein marginem obtusum nitidulum inflexum reclinantibus discumque planum opacum concolorem recludentibus, patellaribus, ad latuscula marginemque setis brevibus stipatis tentaculato-porrectis nigris sparsis parce instructis. — *Peziza amphitricha W. in lit.*

Ad virgas salicinas decorticatas Thuring. rarius. Per totum annum. (Cycledi atrati habitum exacte reddit, extus tamen setis brevibus stipatis, tentaculorum instar porrectis munita certo dignoscitur.)

2464. *P. Berberidis Pers.*, ascomatibus sessilibus sparsis minutis rufo-fuscescentibus hirtis basique setis strigosis subradiantibus cinctis. — *Peziza Berberidis Pers. myc. I. 649. Fr. syst. II. 99.*

Ad ramos siccos Berberidis rarius.

2465. *P. diversicolor Fr.*, ascomatibus sessilibus gregariis exiguis obconicis carnosis ex albido luteoque viridulis ferrugineoque versicoloribus, extus setulis erectis strigosis longis concoloribus torvis, demum discum convexiusculum pallidiorem marginatum recludentibus. — *P. diversicolor Fr. syst. II. 88. P. domestica Sowerb. Fr. syst. II. 107.*

α. albida, ascomatibus expallidis. — *P. papillata vaccinea Pers. myc. I. 254.*

β. chlorina, ascomatibus viridulis umbrino-setosis. — *Fr. l. l. P. chlorina Pers. l. l. P. strigosa Schum. saell. II.* 434.

γ. cervina, ascomatibus luteo-subferrugineis. — *Fr. l. l. P. cervina Pers. l. l. P. papillata Schum. nec Pers.*

Ad fimum quadrupedum, Thuring. v. c. rarius (Cautius ab Ascobolo papillato, disci laevore nec papillato, dignoscenda.)

2466. *P. theleboloides A. et Schw.*, ascomatibus carnosis sessilibus subgregariis sordide lutescentibus, extus setis rigidis longiusculis assurgentibus concoloribus torvis, primum sphaericis dein urceolaribus pallentibus, discum subconcolorem concavum monstrantibus. — *Peziza theleboloides Alb. et Schw. nisk.* 321. *t.* 12. *f.* 4. *Fr. syst. II.* 88.

Ad terram pinguem fimo conditam ipsumque fimum, Lusatiae v. c. (*Alb. et Schweiniz.*)

2467. *P. stercorea Pers.*, ascomatibus sessilibus gregariis fulvis, extus setulis badiis erectiusculis ad marginem increbrescentibus ciliatis dein caducis horridulis, primum globosis clausis, dein concavis magisque subsidentibus discum concolorem recludentibus, siccando fuscescentibus. — *Peziza stercorea Pers. obs. II.* 89., *syn.* 650. *Fr. syst. II.* 87. *P. cupularis Wahlenb. ups.* 466. *P. ciliata Bull. t.* 438. *f.* 2. *P. scutellata Bolt. t.* 108. *Octospora scutellata Hedw. l. l.* 10. *t.* 3. *f. A. O. setigera Schrank. P. equina Flor. dan. t.* 779. *f.* 3. *P. lutea Reich. Elvella lutea Scop. carn.* 481.

Ad fimum vaccinum et equinum nec non in terra pingui stercorata passim.

2468. *P. setosa Nees*, ascomatibus sessilibus gregariis aurantiacis, extus setis erectis longis subconcoloribus s. fuscis horridis discumque concolorem planum obvallantibus. — *Peziza setosa Nees syst.* 260. *f.* 275. *Fr. syst. II.* 87. *P. stercoraria epixyla Alb. et Schw.*

Ad truncos vetustos putredine exesos Lusatiae, Thuring. et Hercyn. passim.

2469. *P. livida Schum.*, ascomatibus sessilibus, primum hemisphaericis dein magis subsidentibus deplanatis, extus fuligineis, versus marginem setis continuis longis rigidis fusco-ferrugineis horridis, dein discum concavum rubro-fuscum s. glauco-lividum recludentibus. — *Peziza livida Schum. saell. II.* 422. *Fr. syst. II.* 86. *P. scutellata Batsch cont.* 1. *f.* 154. *P. fasciculatae var. Pers. myc. I.* 244.

Ad truncos putredine exesos passim.

2470. *P. scutellata L.*, ascomatibus applanatis carnosis majusculis, extus pallidis, in discum miniato-s. aurantio-rubrum planum reclusis, marginem versus setis strictis divergentibus nigris hispidis. — *Peziza scutellata L. Sowerb. t.* 24. *Bull. t.* 10. *Pers. syn.* 650. *Fr. syst. II.* 85. *Octospora hirta Hedw. l. l.* 10. *t.* 3. *B. P. ciliata Hoffm. veg. crypt. II.* 25. *t.* 7. *f.* 3. *Elvella ciliata Schaeff. bav. t.* 284. — *Vaill. bot. t.* 13. *f.* 13. 14.

Ad ligna putredine consumta vulgaris.

2471. *P. umbrosa Fr.*, ascomatibus depressis applanatis carneo-miniatis, extus pilis badiis brevibus obsessis. — *P. umbrosa Fr. syst. II.* 85. *Mich. gen. t.* 86. *f.* 19.

Ad terram umbrosam Hercyn. infer. passim.

2472. *P. carneo-rufa Mart.*, ascomatibus sessilibus gregariis carneo-rufis subpellucidis, extus et margine setis rigidulis albidioribus erectis obsitis, demum urceolatis. — *Peziza carneo-rufa Mart. crl.* 464. *Fr. syst. II.* 85.

Ad terram arenosam humidam Francon. (*Martius.*)

2473. *P. melanoloma A. et Schw.*, ascomatibus sessilibus gregariis sordide aurantiis, extus pilis subtilissimis atris ad marginem increbrescentibus obsessis, primum hemisphaericis dein concavo-planiusculis, saepius difformiter subsidentibus. — *Peziza melanoloma Alb. et Schw. nisk.* 336. *t.* 2. *f.* 5. *Fr. syst. II.* 68.

Ad terram carbonariorum minime rara.

2471. *P. phaeoloma W.*, ascomatibus adnato-applanatis carnosis majusculis, discum rotundatum latum vitellinum, margine crasso involuto, setulis brevissimis densis continuis assurgentibus obsesso cinctum recludentibus, scutellaribus. — *?Peziza acetabulo primum cavo luteo Rupp. jen.* 359.

Ad terram glareosam udam sterilem Thuring. passim. Aestate uda. (Ascomata adulta, praeter marginem involutum undique adnata, monetae instar applanata, Peltigerae arcticae cymatiorum ambitum aequantia, disco carnoso vitellino s. cerino insignia.)

2475. *P. hirta Schum.*, ascomatibus sessilibus, extus fusco-hirtis, primum hemisphaericis, dein subsidentibus discumque miniatum, margine inflexo succinctum recludentibus. — *Peziza hirta Schum. saell. II.* 422. *Fr. syst. II.* 84. *P. hybrida Sowerb. t.* 369.

Ad terram muscosam Thuring. et Hercyn. inferior. talem qualem legi, nunc detritam.

2476. *P. brunnea A. et Schw.*, ascomatibus sessilibus brunneis, extus pilis brevibus fasciculatis hirtis, primum subglobosis dein hemisphaerico-depressis in discum dilutiorem reclusis.— *Peziza brunnea Alb. et Schw. nisk.* 317. *t.* 9. *f.* 8. *Fr. syst. II.* 83.

Ad terram deustam Lusatiae et Hercyn. passim.

2477. *P. fusco-atra Rebent.*, ascomatibus sessilibus sparsis fusco-atris tomentoso-hirtis, primum oblongis dein subsidentibus subglobosis discum concavum sordide pallidum, siccando nigrescentem recludentibus. — *Peziza fusco-atra Rebent. neom.* 385. *Fr. syst. II.* 82.

Ad terram humidam Neomarch. (*Rebentisch.*)

2478. *P. leucotricha A. et Schw.*, ascomatibus majusculis sessilibus carnosulis, extus setulis longiusculis candidis strigulosis, primum globosis, dein hemisphaerico-concavis discum albo-glaucescentem recludentibus. — *Peziza leucotricha Alb. et Schw. nisk.* 322. *t.* 7. *f.* 5. *Fr. syst. II.* 82.

Ad terram udam umbrosam, v. c, Lusatiae (*Albert. et Schweiniz*), at rarissime. Auctumno.

2479. *P. hemisphaerica Wigg.*, ascomatibus carnosis magnis, extus pilis setosis septatis fusco-ferrugineis fasciculatis densis undique obsessis torvis, primum conniventibus subglobosis, dein hemisphaerico-concavis urceolatis discum albo-glaucescentem s. dilute fuscum concavum, margine involuto volvato cinctum recludentibus. — *P. hemisphaerica Wigg. Hoffm. crypt. II.* 28. *t.* 7. *f.* 6. *Pers. syn.* 316. *Flor. dan. t.* 1558. *Fr. syst. II.* 82. *P. fasciculata Schrad. Pers. myc. I.* 244. *P. hirsuta Holmsk. P. Labellum et lanuginosa Bull. t.* 204. *et* 396. *Octospora fasciculata Hedw. l. l. t.* 4. *P. replicata Tod. P. campanulata Vitm. P. Scutella β. Batsch. P. subhirsuta Baumg. P. hispida Huds. Elvella albida Schaeff. bav. t.* 151. *Flor. dan. t.* 656. *E. campanulata Scop.* — *Mich. gen. t.* 86. *f.* 4.

Ad terram muscosam in nemoribus pinguibus, nec non ad truncos arborum putredine exesos passim. Aestate. (Mole, disci et setarum, in hac, me observante, Phlegmatii instar septatarum colore satis varians. Setae basin ascomatum versus tenuantur magis et flaccescunt ideoque lubentius terram penetrant.)

C. leioscyphae, ascomatibus teneris plerumque membranaceis ceraceisve, sessilibus breviterque stipitatis, e figura patellari et urceolari variis, extus glaberrimis s. politis (velo nullo Fr.), ipsis cubilibus nec strato superadditis, hymenium discoidcum continuum s. concretum vertice mox recludentibus. (Pezizae series 3. Phialea Pers. Fr.)

† *sessiles, ascomatibus sessilibus.*

* *firmae, ascom. sessilibus fibroso-stipatis tenacellis orbiculatim depressis, margine homogene parce prominulo nec discum, ascis tenuibus foetum, involvendo occultante cinctis. (P. phialeae tribus* 12. *Patellea Fr.)*

2480. *P. epiblastematica W.*, ascomatibus sessilibus glaberrimis subcoriaceis rotundatis confertis mi-

nutissimis, primum punctiformibus hemisphaericis, dein patellaribus planis tenuiter marginatis in acervulos parvos dense congestis, bicoloribus, aliis helvolo-stramineis, aliis livido-nigrescentibus opacis. — *P. epiblastematica W. in lit.*

Ad Peltigerae caninae putrescentis superficiem hyalodermatinam Hercyn. superior. rarissime. (*Wallr.*) (Stirps tum natalitiis tum morphosi perquam singularis. Prima initia verrucas subtilissimas gregarias stramineas s. liventes sistunt, quae mox in tubercula neque minus parva hemisphaerica concolora succrescunt; ocius jam vertice in discum augustum rotundum, margine conformi tenui cinctum recludantur eamque formam, aucta aliquantisper magnitudine ad aciculae capituli molem, patellarem servant et acervulos nudis oculis vix satis conspicuos, tamen ex ascomatibus 40-70 compositos stipato-congestos construunt. Coloris mutabilitas mira, nec tamen inique cum *Patellariis tricoloribus flor. crypt. I.* 367. et nominatim cum Patellaria anomala nec habitu dispare comparatur.)

2481. *P. Cerastiorum W.*, ascomatibus primum innatis verrucosis, dein emersis subsessilibus subceraceis rotundatis in discum helvolum planiusculum saturatius marginatum reclusis, scutellaribus, demum fusco-liventibus marginem reclinantibus. — *Peziza Cerastiorum W. in lit.* 1812. *Fr. syst. II.* 153.

Ad utramque foliorum Cerastii vulgati aliorumque strigosorum faciem caulesque humi prostratos etiamnum vivos Thuring. rarius. Aestate.

2482. *P. juncina Pers.*, ascomatibus sessilibus subceraceis applanatis obscure rufis mollibus glaberrimis, margine prominulo. — *Fr. syst. II.* 152. *Pers. myc. I.* 314.

Ad culmos siccos Junci laevis in uliginibus Thuring. saltem vidi initia. Aestate pluvia.

2483. *P. compressa Pers.*, ascomatibus innato-sessilibus tenuatis glaberrimis nigrescentibus minimis subrotundis, discum concolorem atrum recludentibus, demum

exsiccando compressis conchiformibus s. multangulo-conniventibus. — *Peziza compressa Pers. syn.* 670. *Alb. et Schw. nisk.* 340. *Fr. syst. II.* 152.

Ad ligna dura sicca rarius.

2484. *P. melanophaca Fr.*, ascomatibus sessilibus glaberrimis coriaceis minutissimis sparsis, extus margineque rufo-cinnamomeis, discum planum saturatiorem melanophaeum recludentibus, scutellaribus. — *Peziza melanophaea Fr. syst. II.* 150. *P. bicolor Nees syst.* 257. *f.* 265. *nec Bull.*

Ad ligna salicina et quercina passim. (Habitu lichenoso, fere Patellariae abstrusae meae, colore Xylogrammati parallelo non dissimilis.)

2485. *P. melaxantha Fr.*, ascomatibus sessilibus ceraceo-siccis sparsis glabris, primum hemisphaericis, extus nigro-olivaceis, dein vertice hiante discum planum lutescentem margine nigro-olivaceo cinctum recludentibus, adpresso-scutellaribus. — *Peziza melaxantha Fr. syst. II.* 150. *P. xanthomela β. epixyla Alb. et Schw. nisk.* 335.

Ad ligna emortua exsiccata Hercyn. inferior. passim.

2486. *P. Coccostigma W.*, ascomatibus dein emersis sessilibus sparsis planis tenuiter conformiterque marginatis patellaribus, punctiformibus rubro-coccineis.

Ad ligna abietina cortice destituta humi jacentia, Hercyn. superior. rarius. Aestate.

2487. *P. decipiens W.*, ascomatibus sessilibus glaberrimis sparsis minutissimis rufo-fuscis, primum subglobosis dein planiusculis margine concolore obtuso cinctis.

Ad caudices Pruni domesticae, Helmisporii rhabdis in crustam furfuraceo-stygiam congestis insidens simulque stratum hypostromaticum filamentosum tenerrimum mentiens.

2488. *P. Rosinae Fr.*, ascomatibus sessilibus sparsis glaberrimis tenaciter carnosis, primum subglobosis helvolis dein basi obtusis verticeque sensim in discum planiusculum aurantio-rubellum, margine obtuso cinctum

reclusis, denique adpressis patellaribus sublmmarginatis, intus flaventibus. — *Peziza Resinae Fr. syst. II.* 149. *Lecidea Resinae Fr. obs. I.* 180.

Ad resinam Pini Abietis Hercyn. superior. passim. (Species suspecta ob habitum lichenosum similitudinemque externam cum Patellaria rubella *DC.*, a qua quidem praeter alias notas microscopicas, ascomatibus basi obtusis, tenaciter carnosis, nunquam convexis, intus flavolatescentibus certo differt.)

2489. *P. Hypnorum Fr.*, ascomatibus sessilibus parvis sparsis glaberrimis luteis cupulatis, margine subflexuoso cinctis. — *Peziza Hypnorum Fr. syst. II.* 149.

Ad muscos udore putrescentes talem qualem legi.

** *tremellinae, ascomatibus sessilibus subtremellosis s. aquoso mollibus, margine adscendente cum hymenio confluente, ascis tenuibus s. plane obsoletis facto instructis. (P. Phialeae tribus* 11. *Mollisia Fr.)*

2490. *P. arenula A. et Schw.*, ascomatibus sessilibus glaberrimis minimis subglobosis fuligineis, intus albidis. — *Peziza arenula Alb. et Schw. nisk.* 341. *Fr. syst. II.* 148.

Ad frondes Pteridis aquilinae putres rarius.

2491. *P. atrata Pers.*, ascomatibus sessilibus subglobosis glaberrimis nigrescentibus gregariis minutis, dein margine albicante conniventibus. — *Peziza atrata Pers. syn.* 669. *Alb. et Schw. nisk.* 340. *Nees syst. f.* 266.

Ad ramulos caulesque pl. putres vulgaris.

2492. *P. lacustris Fr.*, ascomatibus sessilibus coraceo-mollibus sparsis glabris nigrescentibus, primum convexiusculis, dein marginem nigricantem reclinantibus discumque dilutiorem s. albo-pallescentem planum recludentibus, patellaribus. — *Peziza lacustris Fr. syst. II.* 143.

Ad culmos siccos Scirpi lacustris Thuring. v. c. et aliis locis rarius. (Quam ita saluto, disci colore a Friesiano, disco fuligineo-nigricante, insigni, recedere quidem, nec tamen alia ratione differre videtur.)

2469. *P. livida Schum.*, ascomatibus sessilibus, primum hemisphaericis dein magis subsidentibus deplanatis, extus fuligineis, versus marginem setis contiguis longis rigidis fusco-ferrugineis horridis, dein discum concavum rubro-fuscum s. glauco-lividum recludentibus. — *Peziza livida Schum. saell. II.* 422. *Fr. syst. II.* 86. *P. scutellata Batsch cont.* 1. *f.* 154. *P. fasciculatae var. Pers. myc. I.* 244.

Ad truncos putredine exesos passim.

2470. *P. scutellata L.*, ascomatibus applanatis carnosis majusculis, extus pallidis, in discum miniato- s. aurantio-rubrum planum reclusis, marginem versus setis strictis divergentibus nigris hispidis. — *Peziza scutellata L. Sowerb. t.* 24. *Bull. t.* 10. *Pers. syn.* 650. *Fr. syst. II.* 85. *Octospora hirta Hedw. l. l.* 10. *t.* 3. *B. P. ciliata Hoffm. veg. crypt. II.* 25. *t.* 7. *f.* 3. *Elvella ciliata Schaeff. bav. t.* 284. — *Vaill. bot. t.* 13. *f.* 13. 14.

Ad ligna putredine consumta vulgaris.

2471. *P. umbrosa Fr.*, ascomatibus depressis ap-

[illegible] Thuring. passim.
[illegible] adulta, praeter marginem inve-
[illegible] instar applanata, Pelti-
[illegible] cymatiorum ambitum aequantia, disco
[illegible] s. carino insignia.)

P. hirta Schum., ascomatibus sessilibus, ex-
hirtis, primum hemisphaericis, dein subsiden-
umque miniatum, margine inflexo succinctum
[illegible]. — *Peziza hirta Schum. saell. II.* 422.
II. 84. *P. hybrida Sowerb. t.* 369.
[illegible]ram muscosam Thuring. et Hercyn. inferior.
[illegible]dem legi, nunc detritam.

P. brunnea A. et Schw., ascomatibus ses-
[illegible]nneis, extus pilis brevibus fasciculatis hirtis,
[illegible]ubglobosis dein hemisphaerico-depressis in di-
[illegible]tiorem reclusis.— *Peziza brunnea Alb. et Schw.*
. t. 9. *f.* 8. *Fr. syst. II.* 83.
[illegible]ram deustam Lusatiae et Hercyn. passim.

P. fusco-atra Rebent., ascomatibus ses-
[illegible]arsis fusco-atris tomentoso-hirtis, primum ob-
[illegible]in subsidentibus subglobosis discum concavum

lutescentem dilatatis marginemque concolorem repandum reclinantibus, vivis flavo-rubellis, siccis membranaceis pellucidis coccineis. — *P. coccinella Sommerf. lapp.* 276. *Fr. elench. II.* 11. *nec syst. P. dispersa W. in lit.* 1815. *P. diluta γ. fungorum Alb. et Schw. nisk.* 338.

Ad corticis salicini et populini soluti faciem utramque, Sphaeriam Stigma nonnisi simul occupans, v. c. Thuring., at rarius.

2504. *P. infixa W.*, ascomatibus sessilibus glaberrimis exiguis sparsis, basi punctiformi insculptis, primum urceolatis dein discum concavum centro saturatiore notatum, margine elevato conformi patulo cinctum reclu-dentibus, vivis pallide cerinis subtremellosis, siccis aurantio-flavis. — *Peziza tenacella W. in lit.*

Ad ligna salicina putredine exesa Thuring. (Sequentem fere aemulatur at adfigendi modo peculiari et macula centrali saturatiore diversa.)

2505. *P. chrysocoma Bull.*, ascomatibus sessilibus subgelatinosis glaberrimis exiguis sparsis luteo-fulvis, primum subglobosis demum latuscula reclinando subsidentibus explanatis margine tenui conformi cinctis, nonnisi confluentibus s. in corpuscula amorpha desciscentibus. — *P. chrysocoma Bull. t.* 376. *Fr. syst. II.* 140. *Bulgaria chrysoc. Sommerf. P. aurea Pers. obs. I.* 41. *nec Fr. P. subplana Schum.*

Ad ligna faginea, pinea et salicina putrida ubertim. Auctumno.

2506. *P. limbata W.*, ascomatibus sessilibus carnosulis glabris confertis flavis, primum globosis, dein subturbinatis extus rugulosis in discum planiusculum concolorem, marginis limbo integro dilutiore hyalino cinctum dilatatis. — *P. limbata W. in lit.* 1820. *? P. undella γ. ollaris Fr. syst. II.* 66. *P. ollaris Pers. myc. I.* 299.

Ad terram nudam ollarum frequenter humectarum sub tectis repositarum Thuring. Vere. (*Wallr.*) Siccando faciem pristinam fere exuit. Prima initia exacte

globosa, flava, seminis papaverini minoris molem aequantia, ocius jam vertice hiantia sensimque e basi subturbinata discum planiusculum, siccando rimulosum concolorem, marginis limbo hyalino pertenui pellucido erecto integerrimo cinctum recludentia, extus rugulosa.)

†† *stipitatae, ascomatibus mole et substantia ceraceo-molli et carnoso-tenacella variis, stipite vario nonnisi obsoleto papillaeformi suffultis.* (*P. Phialeae mollissiae, calycinae et lenticulares sp. Fr.*)

* *ascomatis margine inflexo.*

2507. ?*P. microscopica W.*, ascomatibus omnium minutissimis confertim sparsis glabris in basin stipitiformem attractis s. obconicis turbinatisve fuscis, dein vertice impressis, veluti in discum punctiformem concolorem obtuse marginatum impressis.

Ad frustula ligni faginei caesi Thuring. semel.

2508. *P. Volutella Fr.*, ascomatibus tenerrimis cito caducis (ephemeris) albis glabris, primum revolutis, dein depressis in discum angustissimum umbilicatum reclusis, stipite setaceo nigro suffultis. — *Peziza Volutella Fr. syst. II.* 127. *Volutella nuda Tod. meclb. I.* 29. *t.* 6. *f.* 44. *nec Fr.*

Ad culmum triticeum putrem semel in agro mecleub. a *Todeo* lecta. Auctumno.

2509. *P. chrysostigma Fr.*, ascomatibus minimis punctiformibus aureis, e basi stipitiformi brevissima obconicis in discum planum immarginatum reclusis. — *Peziza chrysostigma Fr. syst. II.* 128. *P. mellina Pers. myc. (lusus major.)*

Ad stipites locis humectis putrescentes Filicum, Aspidii v. c. F. maris Hercyn. rarius.

2510. *P. epiphylla Pers.*, ascomatibus grabris carnoso-ceraceis, e basi papillaeformi brevi saturatiore sensim incrassatis convexo-planiusculis marginatis ochra-

ceo-pallidis, demum fuscescentibus. — *Peziza epiphylla Pers. syn.* 669. *Alb. et Schw. nisk.* 339. *Fr. syst. II.* 131.

Ad folia dejecta putrescentia, vere ubique.

2511. *P. fagínea Pers.*, ascomatibus gregariis minutis glabris, e basi stipitiformi brevi crassa in cupulam planiusculam albam desinentibus. — *Peziza fagínea Pers. syn.* 664. *Alb. et Schw. nisk.* 334. *Fr. syst. II.* 136.

Ad pericarpia sicca faginea in locis umbrosis, auctumno satis vulgaris.

2512. *P. haematites W.*, ascomatibus glabris sparsis minutis corneis coccineo-sanguineis, primum e basi attracta obconicis turbinatisve, dein vertice in discum planiusculum saturatiorem, margine tenui dilutiore cinctum reclusis, obovatis. — *Peziza miniata W. nec aliorum.*

Ad Rubi Idaei caules siccos Thuring. semel. (*Wallr.*) (Sphaeriam episphaeriam primo intuitu fere refert.)

2513. *P. amenti Batsch*, ascomatibus sparsis minutis glaberrimis aquose-pellucidis, dein fuscescentibus, e basi stipitiformi brevi incrassata in cupulam convexiusculam cicatricula centrali notatam margineque demum reflexo cinctam desinentibus. — *Peziza amenti Batsch cont. I.* 211. *f.* 148. *Pers. myc. I.* 314. *Fr. syst. II.* 127.

Ad capsulas salicinas putrescentes agri jenensis (*Batsch*) et alibi, vere exeunte rarius.

2514. *P. imberbis Bull.*, ascomatibus carnoso-cereis glabris albis, e basi stipitiformi brevi papillaeformi in cupulam plano-concaviusculam desinentibus, demum magis subsidentibus planioribus, saepius flexuosis. — *Peziza imberbis Bull. t.* 467. *f.* 2. *Fr. syst. II.* 136. *P. nivea Batsch elench. f.* 57. *Pers. myc. I.* 295.

Ad ligna vetusta in locis udis rarius.

2515. *P. conígena Pers.*, ascomatibus ceraceo-aquosis minutis gregariis glaberrimis pallentibus, e basi stipitiformi brevi obesa demum obliterata in cupulam planiusculam plano-convexiusculam immarginatam desi-

reclinatis, demum adpressis patellaribus subimmarginatis, intus flaventibus. — *Peziza Resinae Fr. syst. II.* 149. *Lecidea Resinae Fr. obs. I.* 180.

Ad resinam Pini Abietis Hercyn. superior. passim. (Species suspecta ob habitum lichenosum similitudinemque externam cum Patellaria rubella *DC.*, a qua quidem praeter alias notas micrascopicas, ascomatibus basi obtusis, tenuiter carnosis, nunquam convexis, intus flavo-luteseentibus certo differt.)

2389. *P. Hypnorum Fr.*, ascomatibus sessilibus parvis sparsis glaberrimis lutcis cupulatis, margine subflexuoso cinctis. — *Peziza Hypnorum Fr. syst. II.* 149.

Ad muscos udore putrescentes talem qualem legi.

** *tremellinae, ascomatibus sessilibus subtremellosis s. aqueo mollibus, margine adnexo cum hymenio confluente, ascis tenuibus s. plane obsoletis facto destructis. (P. Phialeae tribus* 11. *Mollisia Fr.)*

2390. *P. arenula A. et Schw.*, ascomatibus sessilibus glaberrimis minimis subglobosis fuligineis, intus albidis. — *Peziza arenula Alb. et Schw. nisk.* 341. *Fr. syst. II.* 148.

Ad frondes Pteridis aquilinae putres rarius.

2391. *P. atrata Pers.*, ascomatibus sessilibus subglobosis glaberrimis nigrescentibus gregariis minutis, dein margine albicante conniventibus. — *Peziza atrata Pers. syn.* 669. *Alb. et Schw. nisk.* 340. *Nees syst. f.* 266.

Ad ramulos caulesque pl. putres vulgaris.

2392. *P. lacustris Fr.*, ascomatibus sessilibus cerraceo-mollibus sparsis glabris nigrescentibus, primum convexiusculis, dein margineni nigricantem reclinantibus discumque dilutiorem s. albo-pallescentem planum reclinatibus, patellaribus. — *Peziza lacustris Fr. syst. II.* 143.

Ad culmos siccos Scirpi lacustris Thuring. v. c. et alibi locis rarius. (Quam ita saluto, disci colore a Friesiano, disco fuligineo-nigricante, insigni, recedere quidem, non tamen alia ratione differre videtur.)

2493. *P. dilutella Fr.*, ascomatibus sessilibus ceraceo-mollibus glabris confertis, primum subglobosis glauco-aeruginosis, dein concavis cinereo-fuscis, siccando nigricantibus membranaceis, marginem integerrimum patulum flexuosum albo-vittatum exserientibus. — *Peziza dilutella Fr. syst. II.* 147., *elench. II.* 13.

Ad caules herbarum elatiorum, Georginarum putrescentium v. c., nec non ad ligna uda passim.

2494. *P. vulgaris Fr.*, ascomatibus erumpentibus sessilibus molliter membranaceis glaberrimis subcaespitosis utrinque concoloribus albido-pallescentibus. — *Peziza vulgaris Fr. syst. II.* 146. *?P. crumpens Grev. scot. t.* 28.

Ad ramulos languidos, Coryli praeprimis.

2495. *P. axillaris Nees*, ascomatibus sessilibus carnosulis aurantiacis glabris, basi pallidioribus, disco urceolato margine obtuso cincto. — *Peziza axillaris Nees syst.* 258. *f.* 267. *Fr. syst. II.* 145.

Intra foliorum axillas ad muscos minores in locis udis rarius. Aestate uda.

mum turbinatis, e basi curta in verticem concavum luteo-ferrugineum dilatatis, extus glabris margineque tumido pallide-luteis. — *Peziza ferruginea Schum saell. II.* 429. *Fr. syst. II.* 134.

β. nana, ascomatibus e basi stipitiformi in cupulam dilatatis cinnamomeis. — *Fr. l. l. Octospora nana Hedw. l. l. t.* 9. *f. A.*

Ad truncos vetustos quercinos; at var. *β.* ex terra pullulare dicitur. (Speciem interpretatione Friesii hic laudo, mihi satis dubiam ac suspectam.)

2525. *P. Infundibulum Batsch*, ascomatibus glabris rufo-ferrugineis, e basi stipitiformi farcta in cupulam planiusculam dilatatis. — *Peziza Infundibulum Batsch elench. f.* 147. *Pers. myc. I.* 279. *P. Calyculus Sowerb. fung. t.* 116. *Pers. syn.* 660., *var. β. Fr. syst. II.* 130. *P. calycula Schum.*

Ad arborum corticem agri jeneus. *(Batsch.)*

2526. *P. strobilina Fr.*, ascomatibus tenacibus stipatis gregariis minutis pallide-rufescentibus, e basi stipitiformi brevi nigricante pyriformibus demumque in cupulam concavam margine tumido cinctam dilatatis. — *Peziza strobilina Fr. syst. II.* 125.

Ad strobilos abietinos in locis udis jacentes Hercyn. superior. passim.

2527. *P. lenticularis Bull.*, ascomatibus gregariis glabris laete flavis nitidulis, e basi stipitiformi papillata nigrescente in cupulam primum concavam dein convexiusculam dilatatis stipitemque obliterantibus. — *Peziza lenticularis Bull. t.* 300. *Pers. syn.* 664. *Fr. syst. II.* 133. *P. citrina auct. qrd. Helotium nigripes Schum. Pers. myc. Octospora citrina Flor. dan. t.* 1294. *f.* 1. *P. aurea Sowerb.*

Ad arborum truncos, fagineos praeprimis, earumque ramulos dejectos vulgaris.

2528. *P. nigripes Pers.*, ascomatibus exiguis gregariis glabris dilute-pallentibus, e basi stipitiformi longiuscula

nigrescente in cupulam plano-concaviusculam marginatam dilatatis. — *Peziza nigripes Pers. syn.* 661. *Alb. et Schw.* 332. *Fr. syst. II.* 132. *cum var.*

Ad truncos et folia putrida passim.

2529. *P. versiformis Pers.*, ascomatibus gregariis substipitatis, extus primum puberulis purpura debili tinctis, dein in cupulam subcontortam difformem dilatatis calvis flavo-olivaceis. — *Peziza versiformis Pers. icon. t. 7. f. 7., syn.* 647. *Alb. et Schw. nisk.* 314. *cum var. β. livida. Fr. syst. II.* 131.

Ad truncos abietinos ipsosque strobilos putrescentes Hercyn. superior. passim. (Superficie puberula aberrat et forsan inter P. aleuroscyphas melius laudatur.)

2530. *P. discolor Fr.*, ascomatibus e basi brevissima fusco-nigricante in cupulam orbicularem, humectando gryseo-pallidam, siccando ochraceam dilatatis demumque subsidentibus adpressis. — *P. discolor Fr. syst. II.* 134. *Octospora discolor Hedw. l. l. t.* 22. *f. C.*

Ad arborum cortices agri hannover. (*Ehrhart.*)

2531. *P. janthina Fr.*, ascomatibus glabris laevibus violaceis carnosulis, primum cylindricis dein e basi stipitiformi brevi in cupulam urceolatam s. infundibuliformem marginatam incrassatis. — *Peziza janthina Fr. syst. II.* 130. *Octospora violacea Hedw. l. l. t.* 8. *f. A.*

Ad truncos vetustos Salicis rarius.

2532. *P. Cacaliae Pers.*, ascomatibus glaberrimis firmulis nitidis, primum albidis dein fuscescentibus, e basi stipitiformi elongata crassiuscula in cupulam subinfundibuliformem dilatatis. — *Peziza Cacaliae Pers. myc. I.* 285. *Fr. syst. II.* 122.

Ad caules herbarum siccos, praeprimis Compositarum, Carlinae v. c., Cardui et Cacaliarum.

2533. *P. aeruginosa Pers.*, ascomatibus glabris aeruginosis, e basi stipitiformi brevi dein in cupulam turbinatam flexuosam concolorem s. disco dilutiorem ex-

globosa, flava, seminis papaverini minoris molem aequantia, scissa jam vertice hiantia sensimque e basi subturbinata discum planiusculum, siccando rimulosum concolorem, marginis limbo hyalino pertenui pellucido erecto integerrimo cinctum recludentia, extus rugulosa.)

†† *stipitatae, ascomatibus mole et substantia carnoso-molli et carnoso-tenacella variis, stipite vario nonnisi obsoleto papillaeformi suffultis.* (*P. Phialeae mollissimae, calycinae et lenticulares sp. Fr.*)

* *ascomatis margine inflexo.*

2507. ?*P. microscopica W.*, ascomatibus omnium minutissimis confertim sparsis glabris in basin stipitiformem attractis s. obconicis turbinatisve fuscis, dein vertice impressis, veluti in discum punctiformem concolorem obtuse marginatum impressis.

Ad frustula ligni faginei caesi Thuring. semel.

2508. P. *Volutella Fr.*, ascomatibus tenerrimis cito caducis (ephemeris) albis glabris, primum revolutis, dein depressis in discum angustissimum umbilicatum reclusis, stipite setaceo nigro suffultis. — *Peziza Volutella Fr. syst. II.* 127. *Volutella nuda Tod. mecib. I.* 29. *t.* 6. *f.* 14. *nec Fr.*

Ad culmum triticeum putrem semel in agro mecleub. a Todeo lecta. Auctumno.

2509. P. *chrysostigma Fr.*, ascomatibus minimis punctiformibus aureis, e basi stipitiformi brevissima obconicis in discum planum immarginatum reclusis. — *Peziza chrysostigma Fr. syst. II.* 128. *P. mellina Pers., myc.* (*lusus major.*)

Ad stipites locis humectis putrescentes Filicum, Aspidii v. c. F. maris Hercyn. rarius.

2510. P. *epiphylla Pers.*, ascomatibus grabris carnoso-cerasseis, e basi papillaeformi brevi saturatiore sensim incrassatis convexo-planiusculis marginatis ochra-

Ad fimum leporinum pluviis madefactum Thuring. Auctumno. (*Wallr.*)

2538. *P. acicularis Fr.*, ascomatibus gregariis glabris candidis dein pallentibus s. rufescentibus, stipite elongato aequali tenui discum primum utrinque planum dein convexum, subtus marginibus reflexis concaviusculum sustinentibus. — *P. acicularis Fr. l. l. Helotium agariciforme DC. gall. II.* 75. *H. aciculare Pers. syn.* 677. *var. α. quercina Alb. et Schw. nisk.* 349. *Leotia acicularis Pers. obs. II.* 20. *t.* 5. *f.* 1. *Helvella agaricifarmis Bolt. Sowerb. H. acicularis Ball. t.* 473. *f.* 1.

β. abietinum, ascom. minoribus pallidioribus. *Fr. l. l. Alb. et Schw. l. l. Helotium elongatum Schum.*

Intra caudices querciuos putres, rarius.

2539. *P. aurea Fr.*, ascomatibus gregariis obscure flavis, stipite tenui subsimplici basi parce tomentosa capitulum lenticulare laeve sustinentibus. — *P. aurea Fr. syst. l. l. Helotium aureum Pers. syn.* 678. *Alb. et Schw. nisk.* 350.

Ad ligna pinea putrida rarius. Vere.

D. stromatoscyphae, ascomatibus figura, mole, colore et superficie variis, sessilibus stipitatisve, e basi inde fila byssina stratum laxe intertextum effusum, cubilia telae hyphoideae instar obtexens, s. comam collectam, plexus rhizoidei s. caudicis descendentis instar terram penetrantem mentientia exserentibus, i. e. stromati byssino insidentibus hymeniumque varium recludentibus.

(*Pezizae Lachneae trib.* 7. *Tapesia. P. Tapesiae Pers. myc.*) — Series specierum sequent. artificialis, cum Sphaeriis hypostromaticis eximie analoga, inter reliquas, quae antecedunt vel subsequuntur veluti media, ad alteram quamque revergens suasque species praeter indolem hypostromaticam simillimas excipiens, habitu prorsus peculiari distincta.

† *dasyscyphoideae, ascomatibus sessilibus tomentosis s. vellere furfuraceo vestitis, stromati hyphoideo insidentibus.* — Analogae cum Pezizis dasyscyphis p. 449.

2540. *P. Lonicerae A. et Schw.*, ascomatibus sessilibus minutis sparsis ceraceis, extus fusco-nigris, pilis albis mox fuscescentibus vestitis similemque telam e basi emittentibus, primum globosis dein discum, ore conniveute crenato cinctum pallidum recludentibus. — *Peziza Lonicerae Alb. et Schw. nisk.* 328. *t.* 11. *f.* 8. (*byssiseda*). *Fr. syst. II.* 115 (*nuda inter Fibrinas.*)

Ad ramos siccos Lonicerae Periclymeni, v. c. Lusatiae (*Albert. et Schweiniz*). (Strati hyphoidei initia in hac vix umquam desunt, dein vero facile obliteruntur.)

2541. *P. fibrillosa W.*, ascomatibus sessilibus hemisphaericis, vellere furfuraceo tenui ferrugineo vestitis, e basi telam hypostromaticam stygiam teneram exserentibus, demum vertice in discum concavum dilutiorem, marginibus inflexis cinctum reclusis. — *Peziza ferruginea Pers. myc. I.* 274. *t.* 1. *f.* 7. 8. *nec Schumach.*

Ad ramulos quercinos vallium Hercyn. infer. udarum similem saltem legi.

2542. *P. caesia Pers.*, ascomatibus sessilibus minutis, primum sparsis, floccum punctiformem mentientibus, dein globosis, extus villo delicatiore mollissimo candido propexo undique horridulo ejusque filis arachnoideis tortuosis, e basi inde in stratum effusum laxe intertextum succrescentibus gregatimque cohaerentibus, demum latusculis reclinatis discum tremellosum dilute virescentem (siccando) caesio-nigrescentem nude marginatum recludentibus. — *Peziza caesia Pers. syn.* 657. *Ditmar in Sturm germ. III. t.* 31. (*contra morem minus fida.*) *Fr. syst. II.* 108. *Nees syst. f.* 272. *P. lichenoides Pers. icon.* 29. *t.* 7. *f.* 1. *P. byssiseda W. in lit. P. erratica Fr. l. l.*

Ad ligni faginei frustula humi jacentia v. c. Thuring. rarius. (Stirps bella, a teneris initiis inde ad senectutem

citrina Sowerb. t. 151. *P. lenticularis Hoffm. germ. Ill. t.* 13. *f.* 5.

Ad ligna faginea caesa eorumque fragmenta vulgaris.

2520. *P. lutescens A. et Schw.*, ascomatibus glaberrimis lutescentibus minutis, primum e basi stipitiformi tenui cylindrica dein in verticem hypocrateriformem orbicularem dilatatis. — *Peziza lutescens Alb. et Schm. nisk.* 120. *Flor. dan. t.* 1440. *f.* 1. *Fr. syst. II.* 130. *Octospora lutescens Hedw. l. l.* 30. *t.* 9. *f.* 3.

Ad ramos abietinos dejectos passim.

2521. *P. citrina Batsch*, ascomatibus primum obconicis vertice urceolato hiantibus sensimque in discum plano-concaviusculum dilatatis, stipitem crassum brevissimum e cupulae basi obovata informantibus s. obconico-cupulaeformibus stipato-carnosis obesis, extus pallidis, intus marginisque limbo citrinis, siccando callosis aurantiacis. — *Peziza citrina Batsch cont. II. f.* 218. *Pers. syn.* 663. *Fr. syst. II.* 131. *Octospora citrina Hedw. l. l. P. cyathoides L.*

minutissimis carnosulis glaberrimis marginatis atro-sanguineis melanophaenis, primum sparsis punctiformibus globosis, dein urceolatis, e basi villum arachnoideum radiantem album mox confluentem exserentibus, denique adpresso-deplanatis patellaribus, cubilia stratumque dense intertextum fibrosum cruentantibus, raro nudis. — *Peziza sanguinea Pers. syn.* 657. *Alb. et Schw. nisk.* 328. *Nees syst. f.* 271. *Fr. syst. II.* 110.

Ad lignorum fagineorum, quercinorum aliorumque frustula caesa, nec non ad ramulos decorticatos, cum lusu astromatico, ascomatibus ipsis cubilibus nec strato insidentibus insigni, passim intercurrente. Auctumno. (Ascomatum color internus atro-sanguineus, siccando melanophaenus evadit, ideoque villum hypostromaticum aeque ac cubilia cruentando tingere solet saepiusque penitius penetrat. Caute a Cycledo Lecideola, vix nisi colore interno diverso, dignoscenda.)

††† *aleuroscyphoideae, ascomatibus sessilibus basique productis, tegmine furfuraceo s. tenuiter farinoso superfusis s. velutinis, hypostromati hyphoideo insidentibus.* — Superficie cum P. aleuroscyphis analogae, figura ad trichoscyphas tendentes.

* *sessiles, ascomatibus sessilibus.*

2548. *P. poriaeformis DC.*, ascomatibus sessilibus minutissimis molliter carnosis dilute fuscescentibus, e basi villum candidum radiantem tenuissime farinosum distinctum fimbriatum exserentibus, primum sparsis punctiformibus globosis, extus nudiusculis clausis, dein aggregatis fusco-furfuraceis, in discum urceolarem concolorem marginatum reclusis, denique hemisphaericis vertice hiantibus, furfure gryseo adspersis confertissimis, stratum hypostromaticum effusum dense intertextum obliterantibus crustamque rimoso-colliculosam cineream mentientibus. — *Peziza poriaeformis DC. gall. VI.* 26. *Fr. syst. II.* 106. *P. tephrosia Pers. myc. I.* 271. *P. anomala γ. poriaeformis Pers. syn.* 656.

Intra Salices cavas agri gottingens. rarissime, (*Pertoon*), heringensis passim (*Wallr.*) Per totum annum.

nigrescente in cupulam plano-concaviusculam marginatam dilatatis. — *Peziza nigripes Pers. syn.* 661. *Alb. et Schw.* 332. *Fr. syst. II.* 132. *cum var.*

Ad truncos et folia putrida passim.

2529. *P. versiformis Pers.*, ascomatibus gregariis substipitatis, extus primum puberulis purpura debili tinctis, dein in cupulam subcontortam difformem dilatatis calvis flavo-olivaceis. — *Peziza versiformis Pers. icon. t. 7. f. 7., syn.* 647. *Alb. et Schw. nisk.* 314. *cum var. β. livida. Fr. syst. II.* 131.

Ad truncos abietinos ipsosque strobilos putrescentes Hercyn. superior. passim. (Superficie puberula aberrat et forsan inter P. aleuroscyphas melius laudatur.)

2530. *P. discolor Fr.*, ascomatibus e basi brevissima fusco-nigricante in cupulam orbicularem, humectando gryseo-pallidam, siccando ochraceam dilatatis demumque subsidentibus adpressis. — *P. discolor Fr. syst. II.* 134. *Octospora discolor Hedw. l. l. t.* 22. *f. C.*

Ad arborum cortices agri hannover. (*Ehrhart.*)

ligna putredine uda exesa s. in humum penitus
a quaecunque, aestate pluvia ubertim. (Stratum
tromaticum stirpi procul dubio proprium, quamvis
n more saepius obsoletum.)

52. *P. Kneiffii W.*, ascomatibus sessilibus spar-
nosis, extus tegmine furfuraceo terso dilutius sa-
isve fusco velutinis, a basi inde telam brevem ri-
m distinctam sensim confluentem effusam albam
ntibus, primum subgloboso-verruciformibus, dein
in discum planum pallescentem margine fusco
m reclusis, lenticulari-scutellaribus majusculis, de-
nigro-fuscis decoloribus cumque strato hypostro-
cinereo concoloribus. — *Eustegia Arundinis*
in lit.
culmos Arundinis Phragmitis propter Rhenum.
ff.) (Stratum effusum culmos denique integros am-
ascomata majuscula habitu lichenoso, fere Parme-
rinae praecellunt.)

53. *P. fusca Pers.*, ascomatibus sessilibus sub-
ranaceis tenacellis sparsis, extus tegmine furfuraceo
fusco vestitis, a basi inde telam teneram fibrillo-
dein saepius in stratum crassum fibroso-crustaceum
mosum effusum dense intertextam exserentibus, pri-
depresso-hemisphaericis, mox circinatim ocellatis,
e discum pallide-flavicantem, margine volvato cin-
recludentibus, applanatis, scutellaribus, exiguis. —
fusca Pers. syn. 657. *Fr. syst. II.* 109. *Alb. et*
nisk. 328. *P. Pruni avium Pers. obs., myc. I.* 273.
orma juvenilis.)

astromatica, ascomatibus demum scutellaribus, ex-
abrescentibus, subiculo destitutis. — *Peziza livido-*
Fr. syst. II. 147.

ramos Pruni Cerasi, Alni, Populi, Coryli, Betulae
nque, inter quisquilias sepimentorum udorum se-
passim. (Externo habitu Sphaeriam byssisedam
efert ejusque strata hypostromatica sterilia s. asco-
us destituta inter se vix discerni possunt. Auctores

discum relusum cinereum indicant, qui in nostris e flavo pallescit.)

2554. *P. scutelliformis W.*, ascomatibus sessilibus submembranaceis tenacellis sparsis, extus tegmine furfuraceo torso fusco-nigrescente nitidulo vestitis, e basi inde telam arachnoideam exserentibus sensimque in stratum stipato-intertextum membranaceum spadiceum nitidum succrescentibus, primum globosis vertice hiantibus, dein reclinando discum planum stramineo-pallentem, margine inflexo flexuoso cinctum recludentibus, majusculis, adpressis, scutellaribus. — *Peziza cryptophila W. nec Humb.*

Ad ligna abietina mausolei cujusdam in agro northusano. (*Wallr.*) (Stratum hypostrom. dein membranulae continuae instar cubilia undique obducit et siccando integrum secedit. Ascomata P. melaxantham s. xanthomelam haud male referunt.)

2555. *P. lateritia Pers.*, ascomatibus sessilibus carnosis majusculis sparsis, extus fusco-furfuraceis rugulosis, primum hemisphaericis dein deplanatis patellaribus, discum nigrum rugosum planum margine reclinato conformi cinctum recludentibus stratoque hypostromatico fibroso-membranaceo flavo-lateritio insidentibus. — *Peziza lateritia Pers. myc. I. 273. Fr. syst. II. 110. P. olivacea Spr. mant. ad flor. hal. II. 30. nec I. 25. ad mca specimina.*

Ad truncos fagineos putredine exesos nemoris roslebiens. (*Wallr.*) 1809. (Nisi eadem cum Persooniana, in agro parisiensi semel lecta, ei saltem proxima et neque minus praeclara.)

2556. *P. Nigrella Pers.*, ascomatibus sessilibus magnis (sesquuncialibus) gregariis subcaespitosisve, extus tegmine stipato crassiusculo velutino-furfuraceo detergibili nigro-fusco inque basin cubilia penetrantem producto obductis, primum hemisphaerico-globosis, dein expansis concavis, nonnisi difformibus (oblongatis), discum atrum laevem recludentibus. — *Peziza Nigrella Pers.*

syn. 648. *Alb. et Schw. nisk.* 318. *Fr. syst. II.* 81. *P. nigra Schum. nec alior. Elvella hemisphaerica Wulff.*

Ad terram muscoso-humosam truncosque putres German. austral. et Lusatiae superior. (*Alb. et Schweiniz.*)

†† *stipitatae, ascomatibus in basin fibrillis stromaticis conjunctis, cubilia penetrantibus plexumque rhizoden et stipitem superadditum mentientibus suffultam desinentibus.* (*P. sarcoscypharum stipitat. sp. Fr.*)

2557. *P. sthenostoma Mart.*, ascomatibus primum clavato-subcylindricis, dein turbinatis stipato-carnosis miniato-aurantiis, extus pilis tenuibus adpressis hirsutis, vertice discum depresso-concavum margine inflexo constricto occultatum aperientibus, basi subaequali sensim in stipitem crassum nigrum, plexum hypostromaticum penetrantem fibrosum emittentem desinentibus. — *Peziza stenostoma Mart. crl.* 469. *Fr. syst. II.* 80.

Ad ligna putrida agri erlang. rarissime. (*Martius.*) Sero auctumno.

2558. *P. rhizopus A. et Schw.*, ascomatibus caespitosis obesis carnosis majusculis, extus tegmine obtexto cum pilis furfuraceis rubiginosis exsertis velutino-hirto obductis, primum globosis clausis, dein osculo circinato hiantibus, denique hemisphaericis discum nigrum concavum, margine inflexo occultatum monstrantibus basinque sensim breviterque in plexum rhizoden propexam stygiam penetrantem desinentem producentibus. — *Peziza rhizopus Alb. et Schw. nisk.* 347. *t.* 1. *f.* 4. *P. melastoma b. Fr. syst. II.* 80.

Ad truncos exesos (Quercus et Fagi) eorumque radices, quisquiliis herbaceis quibuscunque putrescentibus onustatas, Lusatiae v. c. superioris. (*Albert. et Schweiniz.*)

2559. *P. fusco-cana A. et Schw.*, ascomatibus magnis, demum in discum obverse patenterque campanulatum, margine reflexo patulum sordide olivaceum s. incanescentem reclusis, in stipitem rugoso-lacunosum obesum, fibras tenacellas rhizomorphas cubilia obrepentes

2566. *P. Ledi A. et Schw.*, ascomatibus sessilibus sparsis obovatis, extus fusco-nigris, scobe furfuracea concolore compacta tectis, marginem crenatum fibrosum versus viridulis, demum in discum fuligineum concavum reclusis. — *Peziza Ledi Alb. et Schw. nisk.* 343. t. 10. *f.* 7. *Nees syst. f.* 264. *Fr. syst. II.* 114.

Ad ramos languidos Ledi palustris, v. c. Lusatiae superior. (*Albertini et Schweiniz.*)

2567. *P. farinacea Pers.*, ascomatibus sessilibus ceraceo-coriaceis, extus striato-fibrosis rugosis fusco-nigricantibus, dein obovatis vertice in discum urceolatum fuligineum ocius expallentem, margine inflexo convergenter fimbriatum occultatum reclusis. — *P. Pinicola Rebent. neom.* 385. *Fr. syst. II.* 113. *Phacidium fibrosum Fr. exsicc. n.* 162. *Peziza farinacea Pers. syn.* 692.

Ad corticem Pini sylvestris, Lusatiae et alibi passim. Vere.

2568. *P. cyathiformis W.*, ascomatibus tenerrime membranaceis concoloribus subsessilibus sparsis obconico-campanulatis, extus fibris furfuraceis stipatis vestitis, in discum subconcolorem patulum laevem, marginibus inflexis cinctum reclusis. — *Peziza cyathiformis W. in lit. nec Scop.*

Ad gramina putria in tectorum grumis, nec non inter Populi ligni fibras in agro thuring. Auctumno. (*Wallr.*)

2569. *P. aleuritica W.*, ascomatibus membranaceis sessilibus gregariis, extus fibrillulis intricatissimis furfuraceo-floccosis cinereis undique aequaliterque vestitis, primum globosis, vertice osculo circinato hiantibus, dein discum urceolatum concolorem laevem, margiuis ore inflexo cinctum recludentibus, demum considentibus sacciformibus, hinc fissis. — *Solenia urceolata Fr. elench. II.* 28. *Peziza urceolata W. in lit.*

Ad sarmenta Clematis Vitalbae in agro heriagens. Thuring. (*Wallr.*) (Haec cum antecedente melius forsan sub Phibalide genere militant.)

†† *stipitatae, ascomatibus stipitatis.*

2570. *P. litorea Fr.*, ascomatibus exiguis tenuissime fibrillosis dein calvis pallentibus, e stipite brevi in cupulam depresso-hemisphaericam dilatatis obconicis, disco rubescente, margine lacero cincto. — *Peziza litorea Fr. syst. II.* 121.

Ad culmos Arundinis Phragmitis siccos rarius.

2571. *P. Persoonii Moug.*, ascomatibus exiguis, primum hypophloeodeis subglobosis, dein subcaespitosis emergentibus urceolatis hyalinis aurantiacis, stipite brevissimo roseo suffultis calvis, vertice primum clausis, mox osculo, marginis limbo albido scarioso-lacero cincto hiantibus illudque siccando occludentibus. — *Peziza Persoonii Moug. Pers. myc. I.* 288. *t.* 12. *f.* 1. *Grev. scot. t.* 262. *Lycoperdon Equiseti Hoffm. veget. II.* 17. *t.* 5. *f.* 1. *L. minimum Leers herb.* 285.

Ad frondes Equiseti limosi propter ripas Rheni (*Mougeot, Kneiff.*) Aestate. (Desciscit quidem fibrarum defectu, marginisque limbo scarioso, saepius lacero forsan partem analogam praestat. Stipes tam brevis, ut ascomata sessilia appareant. In nostris sp. semper conferta in caespitulos juncta, et sicca nitorem resinosum induunt.)

2572. *P. crassipes W.*, ascomatibus obconico-pyriformibus fusco-rufescentibus, vertice primum in osculum subrotundum, dein in discum concavum rufum reclusis, extus fibrillis parcis brevibus pallide-gryseis obsitis, intus stipiteque curto crasso rufescentibus.

Ad caudices Carpini caesos Thuring. (*Wallr.*)

2573. *P. pyriformis Fr.*, ascomatibus tenerrimis aquoso-pellucidis globoso-turbinatis sordide flaventibus, stipite filiformi albido suffultis, margine subpromínulo dilutiore. — *Peziza pyriformis Fr. syst. II.* 121. *Octospora pyriformis Hedw. l. l. t.* 10.

Ad muscos locis udis putrescentes, plerumque intra foliorum alas emergens. Vere.

2574. *P. albipes W.*, ascomatibus minutissimis, e basi stipitiformi crassa brevissima glabra alba hemisphaericis, osculo angusto circinato hiantibus, pallide grysris, extus scobe farinosa cum fibrillulis intermixtis vestitis.

Ad ramulos decorticatos Ligustri vulgaris in agro northusan. rarius. (*Wallr.*)

2575. *P. bolaris Batsch*, ascomatibus ceraceis firmulis, e stipite brevi nigrescente hemisphaerico-infundibuliformibus subochraceis, primum fibrilloso-venosis, dein glabrescentibus. — *Peziza bolaris Batsch cont. I. f.* 155. *Pers. syn.* 658. *Fr. syst. II.* 112.

Ad ramos siccos, coryleos praeprimis v. c. Thuring. et alibi.

2576. *P. elatina A. et Schw.*, ascomatibus ceraceis constipatis crassiusculis, e basi stipitiformi firma sensim obconicis viridibus, fibrillis nigris adpressis strato-venosis, demum in discum planum sordide lutescentem reclusis. — *Peziza elatina Albert. et Schw. nisk.* 330. *t.* 2. *f.* 3. *Fr. syst. II.* 112.

Ad ramos Pini Piceae emortuos humique jacentes Lusatiae superior. (*Albertini et Schweiniz.*)

2577. *P. crioloma Fr.*, ascomatibus tenerrimis hyalinis pallidis acetabuliformibus, stipite tenui aequali glabriusculo suffultis, marginem versus fibrillis porrectis ciliatis succinctis. — *Peziza crioloma Fr. syst. II.* 121.

Ad stramina putrida Thuring. semel.

2578. *P. decolorans W.*, ascomatibus gregariis stipato-carnosis, intus croceo-rubentibus, extus fibrillis teneris rigidulis adpressis, marginem versus seriatis albis vestitis, primum turbinatis, dein in discum pallide-vitellinum, mox flavo-croceum incusum, margine inflexo discolore cinctum reclusis, hypocrateriformibus abrupte stipitatis.

Ad ligna putrida Salicis capreae Thuring. rarius. Vere. (*Wallr.*) Prima initia caute a Peziza crassipede et albipede dignoscantur.)

2579. *P. Campanula Nees*, ascomatibus gregariis pellucidis tenellis flaventibus membranaceis tenuissime fibrillosis, e basi stipitiformi brevi abrupte campanulatis. — *Peziza Campanula Nees syst. 268. f. 295. Fr. syst. II. 123. P. sulphurea Batsch cont. I. f. 146.*

Ad stramina putrescentia Franconiae. *(Nees.)*

2580. *P. anomala Pers.*, ascomatibus ex initiis tortuoso-floccosis saepius luxuriantibus stratumque hypostromaticum mentientibus emergentibus, gregariis, primum sessilibus subglobosis, dein basin conformem rigidam sensim producentibus verticeque impresso-umbilicato hiantibus, denique stipitatis turbinatis, extus fibrillis rigidulis tortuosis adpressis dilute-cervinis s. pallide fuscescentibus undique stipatoque obductis, humectis fuscis, discum albidum recludentibus. — *Peziza anomala Pers. syn. 656. excl. var. γ. Alb. et Schw. nisk. 320. Fr. syst. II. 106. P. stipitata Pers. myc. I. 270. P. rugosa Sowerb. t. 369.*

α. pseudostromatica, initiis floccosis subrotundis, partim ascomata conformia informantibus, partim deliquescentibus stratumque pseudostromaticum effusum floccoso-pilosum, ascomata elevans mentientibus. — *P. anomala auct., var. β. conglomerata Pers. syn.*

β. subsessilis, ascom. hemisphaericis subsessilibus.

γ. m. crustaceum, ascom. subcylindricis utrinque subaequalibus s. in verticem subclavatum incano-fibrillosum desinentibus confertissimis constipatis s. connatis, crustam contiguam effusam demum rimoso-areolatam mentientibus. — *P. anomala δ. socialis Pers.*

Ad ramos cortice orbatos tectosve fere omnes lignaque arida (Thuring. et Hercyn.) ubertim. (Omnes auctores stratum pseudostromaticum pro genuina stirpis parte habent et inter byssisedas enumerant, quamvis incunabulorum aberrationem sistat. Exempla suis numeris absoluta, nec loci iniqua conditione ab ascomatibus informandis prohibita, nunquam ejus vestigia edunt.)

2581. *P. scyphiformis W.*, ascomatibus exiguis sparsis tenuiter membranaceis albo-pallescentibus, extus

fibris tenerrimis adpressis parcis aequaliter adspersis, primum e basi stipitiformi firma crassa subclavato-turbinatis sensim osculo rotundo hiantibus, dein in discum concavum concolorem reclusis abrupte scyphiformibus, siccando margine inflexo subtili tenuissime striato inflexo conniventibus compressis triquetrisve.

Ad caules aridos Chaerophyllorum nostratium passim. (Sequenti similis, differre tamen videtur tegmine fibroso aequaliter diffuso, nec in strias distinctas stipato, cupulis concaviusculis abrupte scyphiformibus, siccando plane difformibus triquetris et stipite breviore, crassiore magisque aequali.)

2582. *P. striata Nees*, ascomatibus exiguis sparsis tenuiter-membranaceis albo-pallescentibus, primum e basi brevi stipitata firma saturatiore crassa sensim tenuata turbinatis, in osculum rotundum hiantibus deinque in discum concolorem margine inflexo cinctum reclusis abrupte urceolatis, extus fibris brevissimis in strias parallelas constipatis exaratis, siccando subglobosis. — *Peziza striata Nees Fr. syst. II.* 122. *nec Pers. syn. P. Urticae Pers. myc. I.* 286. *Dub. gall. II.* 750.

Ad caules Urticae dioicae siccos passim.

2583. *P. tubaeformis W.*, ascomatibus majusculis sparsis tenuissime membranaceis pallidis, extus fibrillis tenerrimis delicatis floccoso-furfuraceis gryseo-cinerascentibus undique aequaliterque superfusis, e basi stipitiformi firma fragili sensim in discum profunde acuteque excavatum reclusis tubaeformibus, siccando margine inflexo fissis angulatisve. — ? *Helotium gibbum Alb. et Schw. nisk.* 350. *t.* 4. *f.* 1.

Ad ramulos Rosae Cynorrhodi humi jacentes agri heringens. Thuring. *(Wallr.)* (Superficie, fabrica ipsoque habitu cum P. cyathiformi, aleuritica ipsaque Digitali *A. et Schw.* convenit et forsan cum his aliud genus intrat.)

2584. *P. cyathoidea Bull.*, ascomatibus gregariis

alis stipatis, primum subcylindricis, dein e basi ormi elata compressa cerino-flaveute sensim in api- misphaericum albo-pallescentem, osculo reclusum scentibus subclavatis siccis, demum in discum pro- urceolatum concolorem, margine inflexo contracto, n incisum mentiente tectum dilatatis corneis, ex- rillulis tenerrimis parce adspersis, humectis aquo- escentibus, cyathiformibus. — *Peziza cyathoidea* . 416. *f.* 3. *Pers. syn.* 124. *Fr. syst. II.* 124. *P. Pers. obs. P. tenella Batsch cont.* 1. *f.* 151. *Nees* . 294. *P. Hirudo et convivalis Batsch. Octospora la Hedw. l. l. t.* 9. *f. B. Elvella infundibuliformis op.*

caules herbarum elatiorum putres abundanter, ano, (Talem ad caules patruarum semper legi, am glabram, sed fibrillulis adspersam basique in- magis minusve lutescentem. *P. clavata Pers.* . 283. juvenis esse videtur.)

5. *P. coronata Bull.*, ascomatibus sparsis, pri- ylindricis, dein e basi stipitiformi subcompressa ore sensim turbinatis vertice clausis, siccis demum um urceolatum concolorem, extus cum marginis in cilia setacea longa (20-25) diducto inflexo te- fibrilloso-furfuraceis albo-pallescentibus cyathifor- humectis dilate fuscescentibus, discum ciliis por- munitum recludentibus. — *Peziza coronata Bull.* . *f.* 4. *Fr. syst. II.* 120. *P. radiata Pers. syn. Nees syst. f.* 293. *P. armata Roth. P. subulata Flor. dan. t.* 1380. *(at nimis valida.) P. dentiFlor. dan. t.* 1016. *f.* 3. *(lignatilis.)*

caules herbarum elatiorum (Urticae praeprimis), n ad sarmenta (Ruborum), stramina sicca ipsaque parcius. (Praecedenti affinis.)

6. *B. inflexa Bolt.*, ascomatibus majusculis is albidis, cupulae subhemisphaericae margine den- triangularibus brevibus cincto.. — *Peziza inflexa* . 106. *Fr. syst. II.* 120. *P. coronilla Pers. myc.* 207.

In similibus cum praeced. locis, at apud nos saltem multo rarius.

2587. *P. virgultorum Wigg.*, ascomatibus constipatis, primum obconicis robustis, extus cum stipite crasso magis minusve producto tenuiter fibrilloso-furfuraceis pallescentibus, dein vertice in discum planiusculum saturatiorem aurantiacum inflexo-marginatum reclusis scutellaribus, demum planis, margine aequali cinctis abrupte stipitatis subpeltatis. — *Peziza virgultorum Wigg. prim. n.* 1125. *Wahlenb. suec. II.* 986. *nec Schum. et Pers. myc. P. fructigena Fr. syst. II.* 118.

α. herbicola, ascom. breviter abrupteque stipitatis ex luteo testaceis, disco hypocrateriformi rubentibus. — *P. scutula Fr. syst.* 123. *Pers. myc. I.* 284. *P. herbarum Nees syst. f.* 282.

β. ramicola, ascom. breviter robustiusque stipitatis, disco amplo carnoso. — *P. fructigena b. virgultorum et β. salicina Fr. l. l. Octospora fungoides Hedw. l. l. t.* 19. *P. salicina Pers. syn.* 663. *P. flavescens Pers myc. I.* 277.

γ. fructicola, ascom. longius graciliusque stipitatis. — *P. fructigena Bull. t.* 228. *Nees syst. f.* 292. *Pers. syn. P. calyculus et Carpini Batsch. Helotium flavescens Pers. myc. I.* 346.

Var. *α.* ad caules herbarum elatiorum; *β.* ad ramulos putres salicinos et fagineos; *γ.* ad pericarpia faginea et quercina humi jacentia frequens. Auctumno. (Locus natalis stipitis proceritatem totamque molem insigniter mutat; hinc in saltubus editioribus udis ascomata robustiora magisque hirsuta (praesertim basi, sicut *Hedwigii* icon reddit) quam in depressis obvia.)

2588. *P. coccinea Jacq.*, ascomatibus magnis subcoriaceis, extus pallidis scobe fibrillosa tenerrima furfuracea adspersis, primum obconicis, dein in discum concavum laete coccineum, margine inflexo subcrenulato cinctum dilatatis infundibuliformibus, stipite valido longiusculo sursum incrassato fisso suffultis. — *Peziza coc-*

a Jacq. austr. t. 169. *Bolt. t.* 104. *Nees syst. f.* 288. *syst. II.* 79. *P. poculiformis Hoffm. veget. cr. t.* 7. *P. epidendra Bull. Sowerb. Elvella coccinea Scop.*
Ad ramos putridos humi jacentes, carpineos v. c. in oribus Thuring. et Hercyn. utriusque rarius. Vere. itis basis in locis udis hypham rhizoideam exserit.)

. coccophlocae, ascomatibus substantia, figura ole variis, extus praeter furfures tennes, granulis losis solutis, dein facile caducis obsessis.

sessiles, ascomatibus sessilibus.

589. *P. microstoma W.*, ascomatibus sessilibus simis albidis, extus concoloribus tenuiter papulosis, hemisphaericis in osculum circinatum immarginatum atum dilutum reclusis, urceolaribus. — *? Peziza hya- β. granulata Pers. myc. II.* 316. *P. hyalina Nees f.* 270. *nec Pers.*
Ad Coryli truncos vetustos Thuring. Vere.

590. *P. Pteridis A. et Schw.*, ascomatibus mi- sessilibus ceraceo-mollibus, extus olivaceis rugu- granulosis, dein cupularibus discum sordide lute- tem, margine lacero cinctum monstrantibus, siccando ractis. — *Peziza Pteridis Alb. et Schw. nisk.* 338. *f.* 7. *Fr. syst. II.* 144.
Ad stipites Pteridis aquilinae putres, rarius. Vere.

591. *P. papillaris Bull.*, ascomatibus gregariis ceis firmulis sessilibus lacteis, extus praeter fibrillu- delicatas marginem versus granulosis, dein concavis, ndo clausis granuliformibus. — *Peziza papillaris t.* 468. *f.* 1. *Fr. syst. II.* 102. *P. granuliformis et Schw. nisk.* 322.
Ad ligna putrida passim.

592. *P. umbrosa Schrad.*, ascomatibus minutis libus carnosis flaventibus, extus ferrugineo-pustulatis, um conniventibus demum convexiusculis revolutis. — *za umbrosa Schrad. Fr. syst. II.* 66.
Ad terram pinetorum hercynic. (*Schrader.*)

2593. P. *papillosa Reich.*, ascomatibus sessilibus subglobosis dilute-fuscis, externe papillis atro-fuscis obsitis, margine crenato. — *Reich. fl. wett. III.* 374. *Pers. myc. I.* 225. *Fr. syst. II.* 151. *(inter dubias.)*

Ad terram nudam agri wetterav. *(Reichard.)*

2594. P. *gemmata Schum.*, ascomatibus minoribus gregariis sessilibus sphaericis sordide pallentibus, extus granulis umbrinis obsitis. — *Fr. syst. II.* 55. *Schum. saell. II.* 421. *excl. syn.*

Ad truncos fagineos putres, v. c. Thuring. rarius.

2595. P. *granulata Bull.*, ascomatibus sessilibus subgregariis aurantio-rubris s. pallidioribus, extus corpusculis exiguis papillaeformibus concoloribus dein caducis obsessis, primum subglobosis, mox in discum laevigatum planum dilatatis, scutellaribus. — *Peziza granulata Bull. t.* 438. *f.* 3. *Pers. syn.* 667. *(P. granulosa.) Fr. syst. II.* 67. *P. scabra Flor. dan. t.* 655. *f.* 2. *P. fulva Huds. — Vaill. bot. t.* 13. *f.* 14.

Ad stercus vaccinum in nemoribus udis passim.

†† *stipitatae, ascomatibus stipitatis.*

2596. P. *gemmifera W.*, ascomatibus gregariis parvis subcarnosis flavicantibus, extus gemmulis pellucidis plurimis splendentibus obsessis, primum obconicis clausis, dein in discum marginibus inflexis cinctum saturatiorem reclusis sensimque in basin stipitiformem desinentibus.

Ad caudices quercinos Hercyn. inferior, passim. (Habitus externus P. citrinae; nec quoque *P. pallida Schum. saell. II.* 428., dubia *Friesio*, dissimilis esse videtur.)

2597. P. *fulgens Pers.*, ascomatibus carnosis fragilibus vitellinis s. subaurantiis, extus concoloribus granulosis, primum globosis subsessilibus, dein campanulatis undulato-contortis magnis, saepius inconditis lobatisve basin stipitiformem producentibus. — *Peziza fulgens Pers. myc. I.* 241. *Fr. syst. II.* 67., *elench. II.* 6.

inetis German. australis et ni fallor ipsius Her-
berior.

achyphloeae, ascomatibus more reliquarum extus scobe primum rudi, dein in fibras tenacellas r, hirsutiem mentiente asperis.

ssiles, ascomatibus subsessilibus.

. *P. rubiginosa Pers.*, ascomatibus gregariis lis e basi producta campanulatis carnosis fragili-iginosis, extus dense farinoso-verrucosis. — *Pe-ctina γ. rubiginosa Pers. myc. I.* 233. *Fr. syst. II.* 47.
margines viarum montis vogesi. (*Mougeot.*)

. *P. sepulchralis Rebent.*, ascomatibus s carnosis fragilibus fuscis concoloribus, extus minutis acutis muricatis, primum obovatis in-a basin productis, dein hemisphaerico-campanula-umque subsidentibus dilatatis facile lacero-incon- *Peziza sepulcralis Rebent. neom.* 384. *t.* 4. *f.* *myc. I.* 224. *?P. arenaria Osbeck. Pers. syn.* *syst. II.* 63. *cum var. β.*
ectorum grumis tumulisque coemeteriorum v. c. hiae, (*Rebentisch.*) Vere.

tipitatae, ascomatibus distinctius stipitatis.

. *P. micropus Pers.*, ascomatibus sparsis car-igilibus fuligineo-pallescentibus, extus squamuloso-cis, e basi brevi stipitiformi abrupte in cupulam emisphaericam obliquam, dein incondito-flexuo-tatis. — *Peziza micropus Pers. syn.* 642., *icon.* 3. *Fr. syst. II.* 54.
runcos putredine exesos Hercyn. (*Persoon.*)

. *P. verrucosa Pers.*, ascomatibus sparsis car-igilibus livido-pallescentibus, extus dilutioribus, is inaequalibus asperis, magnis, e basi stipitiformi iformi infundibuliformibus. — *Peziza verrucosa n.* 646., *myc. I.* 234. *Fr. syst. II.* 54.

Ad truncos putres agri gotting. (*Persoon.*) (Ulterius indaganda, ipsi *Friesio* ignota ac suspecta!)

2602. *P. fibrosa W.*, ascomatibus coriaceis breviter stipitatis, extus praeter farinam furfuraceam fibris tenacibus porrectis hirtis fusco-cinereis, demum in discum utrinque planum tenuiter marginatum nigro-fuscum nitidum dilatatis, peltatis. — *?Peziza Macropus β. hirta Pers. myc. I.* 237. *Fr. syst.* 57. *Octospora villosa Hedw. l. l. t.* 19.

Ad truncos fagineos mucidos Thuring. rarius.

2603. *P. hypocrateriformis Pers.*, ascomatibus coriaceis stipitatis, extus praeter farinam tenuem fibris validis sparsis tortuosis vestitis albo-cinerascentibus, dein in discum amplum concavinsculum fuscum reclusis. — *Peziza Macropus γ. crosa Pers. myc. I.* 237. *Elvella hypocrateriformis Schaeff. bav. t.* 152.

Ad terram nudam Bavariae et Hercyn. rarius.

2604. *P. Macropus Pers.*, ascomatibus elatis, stipite longo e basi subbulbosa sensim tenuato firmo erecto, tegmine furfuraceo obtexto vestito cinereo suffaltis, abrupte peltatis, in discum utrinque planum membranaceum dilute fuscum immarginatum, subtus albo-cinerascentem fibris tenacibus concoloribus adspersum dilatatis. — *Peziza Macropus Pers. obs. II.* 26. *t.* 1. *f.* 2., *syn.* 645. *Flor. dan. t.* 1200. *f.* 2. *Grev. scot. t.* 70. *Fr. syst. II.* 57. *P. Crater Batsch. Octospora villosa Hedw. ? Helvella plana Huds. P. hispida Schaeff. bav. t.* 167. *Bull. t.* 196. *P. stipitata Huds. Bull. t.* 457. *Dub. gall. II.* 741.

Ad terram nudam fagetorum umbrosorum rarissime, in agri halensis campis arenosis satis frequens. (*Spr. mant.* 1.)

d. alphitophlocae, ascomatibus substantia et figura variis, plerumque majusculis, extus s. ad latuscula furfure pertenui, veluti pruinoso detergibili adspersis.

† *lenticulares, geophilae, ascomatibus sessilibus, latusculis adpressis, demum saepius convexiusculis.* (*P. Aleuriae humariae Fr.*)

2605. *P. miliaris W.*, ascomatibus sessilibus sparsis microscopicis pallentibus, extus tenuiter pruinosis immarginatis, cum disco demum convexiusculo concoloribus.

Ad Peltigeras caninae paginam superiorem in locis udis Thuring. passim.

2606. *P. Haematostigma Fr.*, ascomatibus sessilibus dilute sanguineis glabris immarginatis extus pruinosis, primum subglobosis, dein hemisphaericis. — *Fr. syst. II.* 74. *Octospora Hedw. l. l. t. 5. f. B.*

Ad terram sabulosam agri lipsiens. Vere. (*Hedwig.*)

2607. *P. convexula Pers.*, ascomatibus sessilibus carnosis fragilibus, extus tenuiter pruinosis carneo-ochraceis, primum plano-convexiusculis inciso-marginatis, dein convexis immarginatis. — *Peziza convexula Pers. syn.* 666. *Fr. syst. II.* 73.

Ad terram nudam German. boreal. passim. (*Persoon.*)

2608. *P. Schenkii Batsch*, ascomatibus sessilibus convexo-depressis atris nitidis, margine brunneo incuso cinctis. — *Peziza Schenkii Batsch elench. f. 52. Pers. myc. I.* 243. *Fr. syst. II.* 72.

Ad terram muscosam agri jenens. (*Batsch.*)

2609. *P. xanthomela Pers.*, ascomatibus gregariis sessilibus carnosis, extus nigrescentibus pruinoso-furfuraceis, disco convexiusculo lutescente, margine discolore veluti livido s. nigro cincto. — *Peziza xanthomela Pers. syn.* 665. *Fr. syst. II.* 72.

Ad terram pinetorum Hercyn. (*Persoon*), Saxoniae (*Kunze*) et alibi passim. Similem ipse in caudicibus putredine exesis Thuring. passim legi.

2610. *P. rubricosa Fr.*, ascomatibus sessilibus gregariis rufis, primum plano-concaviusculis carnosulis extus calvis dilutioribus, dein convexis marginem farinoso-puberulum reclinantibus. — *Peziza rubricosa Fr. syst. II.* 72. *P. rufa Fr. obs. P. rufa β. Pers. syn.* 666.

Ad terram pinetorum Hercyn. super. (*Persoon.*)

Ad truncos putres agri gotting. (*Persoon.*) (Ulterius indaganda, ipsi *Friesio* ignota ac suspecta!)

2602. *P. fibrosa W.*, ascomatibus coriaceis breviter stipitatis, extus praeter farinam furfuraceam fibris tenacibus porrectis hirtis fusco-cinereis, demum in discum utrinque planum tenuiter marginatum nigro-fuscum nitidum dilatatis, peltatis. — *?Peziza Macropus β. hirta Pers. myc. I.* 237. *Fr. syst.* 57. *Octospora villosa Hedw. l. l. t.* 19.

Ad truncos fagineos mucidos Thuring. rarius.

2603. *P. hypocrateriformis Pers.*, ascomatibus coriaceis stipitatis, extus praeter farinam tenuem fibris validis sparsis tortuosis vestitis albo-cinerascentibus, dein in discum amplum concaviusculum fuscum reclusis. — *Peziza Macropus γ. crosa Pers. myc. I.* 237. *Elvella hypocrateriformis Schaeff. bav. t.* 152.

Ad terram nudam Bavariae et Hercyn. rarius.

2604. *P. Macropus Pers.*, ascomatibus elatis, stipite longo e basi subbulbosa sensim tenuato firmo erecto, tegmine furfuraceo obtexto vestito cinereo suffultis, abrupte peltatis, in discum utrinque planum membranaceum dilute fuscum immarginatum, subtus albo-cinerascentem fibris tenacibus concoloribus adspersum dilatatis. — *Peziza Macropus Pers. obs. II.* 26. *t.* 1. *f.* 2., *syn.* 645. *Flor. dan. t.* 1200. *f.* 2. *Grev. scot. t.* 70. *Fr. syst. II.* 57. *P. Crater Batsch. Octospora villosa Hedw. ? Helvella plana Huds. P. hispida Schaeff. bav. t.* 167. *Bull. t.* 196. *P. stipitata Huds. Bull. t.* 457. *Dub. gall. II.* 711.

Ad terram nudam fagetorum umbrosorum rarissime, in agri halensis campis arenosis satis frequens. (*Spr. mant.* I.)

d. alphitophlocae, ascomatibus substantia et figura variis, plerumque majusculis, extus s. ad latusculo furfure pertenui, veluti pruinoso detergibili adspersis.

† *lenticulares, geophilae, ascomatibus sessilibus, latusculis adpressis, demum saepius convexiusculis.* (*P. Aleuriae humariae Fr.*)

[illegible], *ascomatibus substantia, figura* [illegible], *extus praeter furfures tenues, granulis* [illegible], *dein facile caducis obsessis.*

[illegible], *ascomatibus sessilibus.*

microstoma W., ascomatibus sessilibus [illegible] tenuiter papulosis, [illegible] marginatum [illegible] — *Peziza hya-* [illegible] *II.* 316. *P. hyalina Nees* [illegible]

[illegible] vetustos Thuring. Vere.

Pteridis A. et Schw., ascomatibus mi- [illegible] -mollibus, extus olivaceis rugu- [illegible] cupularibus discum sordide lute- [illegible] tum monstrantibus, siccando [illegible] *Peziza Pteridis Alb. et Schw. nisk.* 338. [illegible] *II.* 141.

[illegible] aquilinae putres, rarius. Vere.

papillaris Bull., ascomatibus gregariis [illegible] lacteis, extus praeter fibrillu- [illegible] granulosis, dein concavis, [illegible] — *Peziza papillaris* [illegible] *II.* 102. *P. granuliformis* [illegible]

2611. *P. humosa Fr.*, ascomatibus sessilibus carnosis demum glabrescentibus sanguineo-rubris plano-concaviusculis marginatis. — *Peziza humosa Fr. syst. II.* 71. *Helvella cartilaginea Bolt. t.* 101. *f.* 1.

Ad terram udam glareosam passim.

2612. *P. hepatica Batsch*, ascomatibus sessilibus atro-purpureis depressis, demum reflexis discoque saepius scrobiculo inscriptis. — *Batsch. cont. I.* 133. *Pers. myc. I.* 243. *Fr. syst. II.* 71. (*inter dubias.*)

In similibus cum prioribus locis. (*Batsch.*)

2613. *P. macrospora W.*, ascomatibus sessilibus carnoso-stipatis castaneo-nigricantibus, primum subglobosis, dein discum concaviusculum concolori-marginatum, ascis maximis foetum rugulosum opacum recludentibus, majusculis scutellaribus.

Ad terram nudam glareosam grumos tectorum conficientem Thuring. passim. Vere. (*Wallr.*) (Similem quoque ad muros calcareos observavi, cum *P. depressa Alb. et Schw.* forsan comparandam.)

2614. *P. leucoloma Rebent.*, ascomatibus sessilibus sparsis rubris, primum subglobosis clausis, dein planiusculis margine flocculis albis fimbriatum circumducentibus deinque reclinantibus, scutellaribus. — *Peziza leucoloma Rebent. neom.* 386. *Nees syst. f.* 268. *Fr. syst. II.* 71. *Octospora leucoloma Hedw. l. l. II.* 13. *t.* 4. *f. A.*

Inter muscos terram gregatim obducentes, in Bryi argentei et Phascorum consortio. Vere.

2615. *P. rutilans Fr.*, ascomatibus subsessilibus pallidis extus subtilissime pubentibus farinulosisque campanulatis, dein explanatis inque discum aurantio-rubrum reclusis. — *Peziza rutilans Fr. syst. II.* 68. *P. leucolomae var. Alb. et Schw. nisk.* 335.

Ad terram nudam sterilem in pascuis et pratis passim.

NB. Praeter species laudatas geophilas alias complures

riis locis legi, quae quidem siccando perierunt, nec certam distinctionem permittunt.

†† *cochleatae*, *ascomatibus primum saepius cochleatis, dein cupularibus.* (*P. Aleuriae geopyxides cupares Fr.*)

* *sessiles, ascom. sessilibus s. subsessilibus.*

2616. *P. dimorpha W.*, ascomatibus primum depresso-convexiusculis discum rotundum cinereo-viridulum convexiusculum, latusculis tenuiter furfuraceis cinereo-olivaceis propexis, limbo pallido marginatis incarceratum monstrantibus eoque veluti ocellatis, dein sensim dilatando applanatis tenuatis discum lutescentem incusum, margine tenui concolore nudo cinctum informantibus, scutellaribus, demum saepe contractis. — *Peziza lentiformis W. in lit. P. olivacea var. lentiformis Fr. elench. II.* 12.

Ad truncos Tiliae putredine exesos Thuring. passim. (*Wallr.*) Vere. (Ascomata juniora praeter basin adnatam ad latuscula magis elevata prominent et disci initia incarcerata ita comprehendunt, ut ille pupulae instar intra palpebras prominere videatur, dein vero latuscula sensim dilatando reclinant discumque tenuatum helvolum s. lutescentem ex ascis emergentibus tenuiter farinosum, margine tenui concolore cinctum arcte adpressum informant. Senilia saepe confluunt, multangula marginibusque crispa evadunt, fatiscunt et compagem internam firmosam monstrant.)

2617. *P. Lancicula Rebent.*, ascomatibus sessilibus caespitosis campanulatis, extus rugosis dilute-fuscis, demum in discum subolivaceum dilatatis. — *Peziza lancicula Rebent. neom.* 384. *Fr. syst. II.* 65.

Ad terram udam, fossarum v. c. Neomarch. (*Rebent.*)

2618. *P. saniosa Schrad.*, ascomatibus sessilibus fusco-purpurascentibus similemque succum stillantibus, extus umbrinis pulverulentis, in discum concavum reclusis. — *Peziza saniosa Schrad. Journ.* 1799. *II.* 64. *Fr. syst. II.* 65.

2593. P. *papillosa Reich.*, ascomatibus sessilibus subglobosis dilute-fuscis, externe papillis atro-fuscis obsitis, margine crenato. — *Reich. fl. wett. III.* 374. *Pers. myc. I.* 225. *Fr. syst. II.* 151. *(inter dubias.)*

Ad terram nudam agri wetterav. *(Reichard.)*

2594. P. *gemmata Schum.*, ascomatibus minoribus gregariis sessilibus sphaericis sordide pallentibus, extus granulis umbrinis obsitis. — *Fr. syst. II.* 55. *Schum. saell. II.* 421. *excl. syn.*

Ad truncos fagineos putres, v. c. Thuring. rarius.

2595. P. *granulata Bull.*, ascomatibus sessilibus subgregariis aurantio-rubris s. pallidioribus, extus corpusculis exiguis papillaeformibus concoloribus dein caducis obsessis, primum subglobosis, mox in discum laevigatum planum dilatatis, scutellaribus. — *Peziza granulata Bull. t.* 438. *f.* 3. *Pers. syn.* 667. *(P. granulosa.) Fr. syst. II.* 67. *P. scabra Flor. dan. t.* 655. *f.* 2. *P. fulva Huds.* — *Vaill. bot. t.* 13. *f.* 14.

Ad stercus vaccinum in nemoribus udis passim

cinctum monstrantibus. — *Peziza cupularis L. Poll. Sw. Fr. syst. II.* 62. *P. crenata Bull. t.* 396. *Pers. obs. II.* 79. *t.* 4. *f.* 6. — *Vaill. bot. t.* 11. *f.* 1–3.

Ad terram nudam in promontoriis patruis passim.

2624. *P. thelephora W.*, ascomatibus demum undique adnatis applanatis circumscripte rotundatis immarginatis amplis crassiusculis, supra atro-sanguineis, (siccando) plerumque fissis fibrosis, subtus albentibus tenuissime pruinosis undique aequalibus, papillis sparsis parvis instructis. — *P. sanguinolenta W. in lit.*

Ad terram tersam pinetorum Hercyn. superior. Vere. *(Wallr.)* (Ascomata adulta joachimici molem et ambitum aequant et papillarum ratione ad Rhizinas accedere videntur.)

2625. *P. badia Pers.*, ascomatibus subsessilibus, extus pruinosis dilutioribus subolivaceis basin villosulam sublacunosam nonnisi emittentibus, primum globosis integris, dein discum e rufo-fuscescentem (porosum s. papillosum), margine involuto cinctum recludentibus, demum flexuosis subcaespitosis difformibus brunneis. — *Peziza badia Pers. obs. II.* 78., *syn.* 639. *Alb. et Schw. nisk.* 311. *Fr. syst. II.* 46. *Helvella cochleata Bolt. fung. t.* 99. — *Vaill. bot. t.* 11. *f.* 8.

Ad terram pinetorum, Hercyn. superior. v. c. (In siccis exemplis iisque plerumque valde corrugatis, papillas exiguas, semine papaverino multo minores, nitidulas sphaeriaeformes, disco inspersas video, quae forsan stirpi propriae.)

2626. *P. mespiliformis W.*, ascomatibus basi obesa plicata sessilibus carnosis fragilibus, extus furfure pruinoso adsperso stramineo-fuscis, primum globosis nuciformibus s. oviformibus, dein discum saturate-fuscescentem cinnamomeum, ore irregulariter scisso dilatato apertum expansis concavis, demum difformibus insignibus. — *Peziza ochracea Schaeff. bav. t.* 155., *quam quidem Friesius ad P. cochleatam refert.*

Ad terram nudam glareosam collium editiorum occatorum inque murorum grumis limosis Thuring. *(Wallr.)*

2627. *P. carbonaria A. et Schw.*, ascomatibus subsessilibus gregariis teneris fragilibus ochraceo-rufescentibus, extus tenuiter pruinosis, primum globosis, dein campanulatis marginem farinoso-crenulatum informantibus. — *Peziza carbonaria Alb. et Schw. nisk.* 314. *Fr. syst. II.* 62. *Pers. myc.* 228.

In areis carbonariorum relictis, v. c. Lusatiae, Hercyn. et alibi passim.

2628. *P. venosa Pers.*, ascomatibus sessilibus basi albida extusque venoso-rugosis subcostatis pruinosis badio-umbrinis, primum subglobosis, dein hemisphaericis, denique subsidentibus repandis contortis saturatioribus. — *Peziza venosa Pers. syn.* 638. *Fr. syst. II.* 46. *Ricella cochleata Wulff. in Jacq. misc. II.* 112. *t.* 17. *f.* 1.

Ad terram pinguem Austriae *(Wulfen)* et forsan aliis Germaniae australis locis.

2629. *P. cochleata Huds.*, ascomatibus sessilibus subcaespitosis carnosis, extus pruinosis pallidis s. helvolis, primum subglobosis, dein discum margine involuto cinctum reclusis, demum contortis inconditis latuscula reclinantibus. — *Peziza cochleata Huds. Bull. t.* 154. *f.* 2. *Fr. syst. II.* 50. *P. umbrina Pers. syn.* 638. *Alb. et Schw. nisk.* 310.

β. alutacea, ascomatibus minoribus subsessilibus contortis, extus dilutioribus, disco pallido-fuligineis. — *Peziza cochleata β. alutacea Fr. l. l. P. alutacea Pers. ?P. ochracea Schaeff. bav. t.* 155. *teste Fr.*

Ad terram nudam in nemoribus udis passim.

2630. *P. onotica Pers.*, ascomatibus speciosis erectis e basi tenuata nonnisi substipitiformi ovato-oblongis, extus scobe fibrilloso-furfuracea ferruginea aequaliter superfusis tenuiterque pruinosis dilutioribus, primum clausis inflatis, dein hinc (latere alteroquoque) longitudinaliter fissis, discum roseum demum rugosum margine in-

olato cinctum monstruntibus. — *Peziza onotica Pers. yn.* 637. *Alb. et Schw. nisk.* 310. *Ditmar in Sturm erm. III. t.* 16. *Fr. syst. II.* 48. *P. rosea Schum. P. porina Sowerb. t.* 79.

Ad terram in nemoribus frondosis, v. c. Lusatiae, gri berolin. et rostoch. (*Ditmar, Ehrenberg*) et thuring. arius.

2631. *P. leporina Batsch,* ascomatibus erectis, basi tenuata stipitiformi ovatis, extus farinosis subferugineis, dein hinc longitudinaliter fissis elongatis auriformibus. — *P. leporina Batsch elench.* 117. *Pers. syn.* 37. *Nees syst. f.* 278. *Fr. syst. II.* 47. *P. Auricula chaeff. bav. t.* 156.

Ad terram pinetorum rarius. Auctumno. (Colore ario, ferrugineo, cinereo (*P. felina Pers. myc.*), citrino t stramineo redit.)

2632. *P. aurantia Oed.,* ascomatibus sessilibus arnosis tenacellis, extus pruinosis tenuiterque furfuraeis albidis, primum subglobosis integris, dein campanuato-hemisphaericis sensim magis subsidentibus, discum mplum auruntiacum politum aperientibus, demum flenosis inconditis, latiuscula reclinantibus. — *Peziza auntia Oed. fl. dan. t.* 657. *f.* 2. *Pers. syn.* 637. *Nees yst. f.* 279. *Fr. syst. II.* 49. *P. cochleata Lumn. Willd. otsch. P. cyathoides Wahlenb. ups.* 466. *P. coccinea ludz. Schaeff. t.* 148. *Bull. t.* 474. *Helvella coccinea olt. t.* 100.

Ad terram nudam glareosam in promontoriis lucisque rbidis, v. c. Thuring., Hercyn. infer. et alibi passim. uctumno.

2633. *P. abietina Pers.,* ascomatibus e basi nonisi producta lacunosa sessilibus carnosis fragilibus subaespitosis magnis, extus cinnamomeo-fuscescentibus farinosis, demum concavis flexuosis integris. — *Peziza abietina Pers. syn.* 637., *myc. I.* 232. *Alb. et Schw. nisk.* 309. *Fr. syst. II.* 47. *P. integra Schum. saell. II.* 419.

(*lusus extus umbrinus.*) *P. grandis Pers. l. l.* (*l. olivaceo-umbrinus.*) *P. porosa Pers. l. l.* (*l. disco poroso.*)

Ad terram im campis abietinis collinis, v. c. Lusatiae (*Alb. et Schw.*), Hercyn. super, et alibi rarius.

2634. *P. repanda Wahlenb.*, ascomatibus carnosis fragilibus, e basi producta penetrante primum hemisphaerico-concavis cyathiformibus, demum subsidentibus discumque rugosum fuscum deplanantibus, extus dilutioribus albo-farinosis. — *Peziza repanda Wahlenb. ups.* 466., *suec. II.* 980. *ipsiusque forsan Pers. icon. t.* 22. *f.* 3. (*disco magis lutescente.*) *P. granulosa et pedunculata Schum. l. l. P. coronata Jacq. misc. II.* 140. *t.* 10.

Ad truncos putredine exexos, tum fagineos, tum abietinos, Hercyn. superior. et inferior. rarius.

2635. *P. cerea Sowerb.*, ascomatibus carnosis fragilissimis lutescentibus, e basi stipitiformi ventricosis infundibuliformibus, dein subsidendo expansis repandis insignibus. *Peziza cerea Sowerb. fung. t.* 3. *Pers. myc. I.* 232. *Fr. syst. II.* 52.

In vaporariis locisque fimetosis passim. Aestate calida.

2636. *P. Marsupium Pers.*, ascomatibus sessilibus subgregariis albido-glaucis dein pallescentibus, praeter farinam subtilem glabriusculis, ore flexuoso conniventibus. — *P. Marsupium Pers. syn.* 641. *excl. syn., myc. I.* 228. *Elvela auriformis Hoffm. veg. crypt. II.* 10. *t.* 5. *f.* 3.

Ad terram nudam nemorum frondosorum, post pluvias passim. (*Persoon.*)

2637. *P. lycoperdoides DC.*, ascomatibus magnis sessilibus gregariis fragilibus carnoso-pulposis, extus ex albo lutescentibus fuligineisque tenuiter furfuraceis, primum globoso-turbinatis conniventibus, dein ore granulato-crenato in discum dilute fuscescentem reclinis campanulato-hemisphaericis, denique subsidentibus flexuosis inconditis. — *P. lycoperdoides DC. gall. II.* 87. *Deb. gall. II.* 741. *P. vesiculosa Bull. Sowerb. Pers. Fr.*

syst. II. 52. *P. turbinata Pers. syn.* 641. *Nees syst. f.* 277. *P. coronata Batsch. P. alutacea Alb. et Schw. nisk.* 310. *Elvella lycoperdoides Scop. carn. II.* 480. — *Mich. gen. t.* 86. *f.* 2.

Ad terram pinguem, sive fimo equino, sive cortice coriario subactam, in areis hortorum, nec non in conceptaculis similem terram continentibus. Aestate calida post imbres, suis locis ubertim. (Tum colore et mole, tum habitu externo valde polymorpha.)

** *stipitatae, ascomatibus stipitatis.*

2638. *P. purpurea Fr.*, ascomatibus subcoriaceis, extus albido-pruinosis papillatisve fuscescentibus cum purpura debili tinctis, e basi brevi stipitiformi leviter striata in discum sanguineum dilatatis infundibuliformibus. — *P. purpurea Fr. syst. II.* 77. *P. calycina Nees syst. f.* 286. *Octospora purpurea Hedw. musc. II.* 63. *t.* 22. *A.*

Ad caudices quercinos putres v. c. agri lips. (*Hedwig.*)

2639. *P. varia Fr.*, ascomatibus submembranaceis, extus fusco-badiis tenuiter pruinosis, e stipite brevissimo sulcato in discum orbicularem cinnamomeum nonnisi repandum dilatatis, cyathiformibus. — *P. varia Fr. syst. II.* 61. *Octospora varia Hedw. l. l. t.* 6. *f. D.*

In muris argillaceis agri lipsiens. (*Hedwig.*)

2640. *P. Catinus Holmsk.*, ascomatibus dilutius saturatiusve fuscescentibus, extus tenuiter furfuraceis, e stipite brevi sublacunoso in cupulam primum globosam, dein margine crenato patentem hemisphaericam, denique concavam expansam dilatatis. — *P. Catinus Holmsk. Fr. syst. II.* 61. *P. varia Alb. et Schw. nisk.* 311. *P. sphaerelata Schum. saell. II.* 419. *P. hypocrateriformis Flor. dan. t.* 1558. *f.* 1.

Ad truncos vetustos mucidos nec non ad terram nudam, v. c. Lusatiae rarius. (*Albert. et Schw.*)

2641. *P. sulcata Pers.*, ascomatibus subcarnosulis tenacibus, extus praeter pruinam tenerrimam laevibus

albido-pallentibus, e stipite obeso farcto lacunoso in discum leviter excavatum fuligineo-pallentem s. nigrescentem sensim dilatatis hypocrateriformibus. — *P. sulcata Pers. syn.* 643. *t.* 5. *f.* 1. *Alb. et Schw. nisk.* 313. *Nees syst. f.* 290. *B. leucomelas Pers. myc. (ceu lusus disci potius nigrescente.)*

In nemoribus patruis et Lusatiae, tum frondosis tum acerosis rarius.

2642. *P. Acetabulum L.*, ascomatibus fuligineis tenuiter pruinosis, e stipite brevi fistuloso lacunoso obeso in cupulam pallido-fuscam dein rimosam, extus costis ramosis exaratam dilatatis cyathiformibus. — *P. Acetabulum L. Bull. t.* 485. *f.* 4. *Sowerb. t.* 59. *Pers. syn.* 643. — *Vaill. bot. t.* 13. *f.* 1.

Ad terram nudam in nemoribus umbrosis, v. c. agri berol. (*Gleditsch*) et alibi rarius.

2643. *P. Rapulum Bull.*, ascomatibus teneris fragillibus insignibus, extus pruinosis ex albo stramineis magis minusve fuscescentibus in discum concavum subfuligineum dilatatis infundibuliformibus, stipite glabriusculo distincto, in basin cubilia penetrantem denuo producto fibrilluloso suffultis. — *P. Rapulum Bull. t.* 485. *f.* 1. *Fr. syst. II.* 59. *P. Rapula Pers. syn.* 658. *Nees syst. f.* 291. *P. radiata Holmsk.*

Ad terram pinguem Hercyn. v. c. superior. (*Persoon.*)

2644. *P. tuberosa Bull.*, ascomatibus tenuibus infundibuliformibus spadiceis expallentibus, extus subtiliter pruinosis, stipite gracili flexuoso ex tuberculo difformi nigro intus farinaceo-floccoso albo emergente suffultis. — *P. tuberosa Bull. t.* 485. *f.* 2. 3. *Pers. syn.* 644. *Alb. et Schw. nisk.* 313. *cum var. β. strobilina, extus farinacea, stipite breviore stricto. Fr. syst. II.* 58. *Octospora tuberosa Hedw. l. l. t.* 10. *f. B.*

In nemoribus umbrosis pratisque udis rarius.

NB. In genere tam naturali, aliae complures novae non solum latent omnino, sed quoque aliae dubiae et

pectae redeunt, quae ulteriorem quum exposcant in-
inem, hoc loco sub auctorum titulis solum indicantur:
*viridula Schrad.; P. cupula, dubia, miniata, Semi-
um Batsch; P. cryptophila et nemorosa Humb. (P.
uetra Pers.); P. marchica Willd. in Uster. Mag.
14.; P. Oederi (P. marginata Relh.), plicata Pers.;
betulina et subteres Alb. et Schw.; P. rufa Wibel;
tipitata, fusco-badia, olivascens (P. olivacea Spr.);
abulosa Moug.; P. epidermidis Opiz et quae aliae
ecunque sunt et in posterum certius innotescunt.*

ascis foras profusis.

305. XYLOGRAMMA W. *Schriftschorf.*

Ascoma primum hypophloeodes, dein erumpens ellipti-
n elongatum tenuiter marginatum. Hymenium tenuis-
um, excipulo tenero in marginem tenuato exceptum,
ectum tremellosum, dein ascis emersis pulverulentum.
(*Stictis B. Xylographa et C. Propolis Fr. syst. Hy-
ii sp. Pers. Opegraphae sp. Achar.*) Cum Hysteriis
ophloeodeis et Opegraphis analogon genus.

2645. *X. sticticum W.*, ascomatibus immersis pun-
ormibus oblongis nigris, disco tenuato (humectato)
escente, labiis convexiusculis succincto. — *Stictis
tica Fr. syst. II.* 197. *Hysterium sticticum Fr. olim.*
Ad ligna sicca passim.

2646. *X. Taxi W.*, ascomatibus immersis sparsis
uque attenuatis subcinereis ligno prominente cinctis,
osculo subrotundo hiantibus. — *Hysterium Taxi
s. syn.* 99.
Ad ligna exsiccata Taxi baccatae agri gotting. (*Per-
s.*) Alias complures ligno decorticato sambucino pro-
s, utpote dubias, consulto omisi.

2647. *X. parallelum W.*, ascomatibus longitudi-
ter erumpentibus membranaceis, primum clausis ob-
is pallide fuscescentibus, dein reclinatis verticeque
itudinaliter hiante discum rugulosum nigrescentem

margine elevato integro rufescente cinctum recludentibus, striaeformibus, longitudine et latitudine variis.—*Stictis parallela Fr. syst. II.* 197. *Hysterium abietinum Pers. obs., syn.* 101. *H. parallelum Wahlenb. lapp.* 523. *Opegrapha parallela Ach. lichen. Lichen parallelus Ach. prodr.*

Ad ramos decorticatos ventis expositos, salicinos, lignaque quaecunque in locis subalpestribus vulgare.

2648. *X. album W.*, ascomatibus erumpendo-prominulis elongatis immarginatis niveis in discum convexum farinaceum reclusis. — *Stictis alba Fr. elench. II.* 27. *Sclerotium album DC. gall. I.*

Ad ligna quercina passim.

2649. *X. versicolor W.*, ascomatibus carnosis hypophloeodeis pallide fuscis s. carneo-fuscescentibus, mox epidermidem a vertice inde ad ambitum persistentem indurescentem lacero-fissam penetrantibus insculptis gregariis ovatis oblongisque utrinque obtusis plano-convexiusculis, dein discum tenuiter farinosum versicolorem recludentibus. — *Stictis versicolor Fr. syst. II.* 198. *Peziza versicolor Spr. syst.*

α. lacteum, ascomatis disco albo, demum nigrescente. *Fr. l. l. Stictis saligna Pers. myc. I.* 337. *Tremella saligna Alb. et Schw.* 303. t. 9. *f.* 7. *Hysterium fagineum Schrad. Pers. syn. praef.*

β. aeruginosum, ascomatis disco pulveraceo aeruginoso. — *Fr. l. l. Stictis aeruginosa Pers. myc. I. l. Hysterium viride Fr. obs.*

γ. fuscum, ascomatis disco fusco. *Fr. l. l. Stictis Hippocastani Pers. myc. l. l. Hysterium pezizoides Wahlenb. lapp.* 523.

Ad ligna exsiccata humecta faginea, betulina, pyrina vel lubentius intra Salices cavas passim.

306. CYCLEDUM W. *Schüsselscheibling.*

Ascoma orbiculatum carnosum tenax, ex latusculorum reclinatione in discum, hymenio primum tecto dein ascis

profusis incuso tenuiterque pulverulento obductum, margine excipuli proprio cinctum, patellare. Asci connati magni fœti (absque paraphysibus), primum insculpti, dein emergentes.

(Patellaria Fr. Wahlenb. nec Hoffm. et Wallr. Schizoxylon Pers. Pezizae et Cenangii sp. auct. Patellea Chevaill. nec L. Lichenis sp. Hedw.) Cum Lichenibus et nominatim Patellariis nostris analogon genus et praeclarum, Pezizis adfine, fabricam mycetoideam plane abscondens.

† *sessilia, ascomatibus ex ipsis cubilibus emergentibus.*

2650. *C. Lecideola W.*, ascomatibus sessilibus minutissimis gregariis subcorneis nigris, primum hemisphaericis vertice impressis, dein subsidentibus discum concolorem opacum rugulosum concaviusculum, margine tenui integro cinctum recludentibus. — *Peziza Lecideola Fr. syst. II.* 151.)

Ad lignorum fagineorum et quercinorum frustula humi jacentia. (Crusta maculaeformis cinerascens, quam *Fries* huic tribuit, lignum fibrosum est; cf. *Wallr. Naturg. der Flechten I.* 151.

2651. *C. atrum W.*, ascomatibus sessilibus subcoriaceis nigris, primum basi applanata subinnatis ovato-contractis subnavicularibus, dein magis emergentibus sessilibus orbiculatis in discum opacum rugosum planum, nonnisi tenuiter pruinosum, margine volvato tumidulo concolore (siccando) demum transversim fissili cinctum deplanatis patellaribus, intus cinereis. — *Patellaria atrata Fr. syst. II.* 160. *Patellea difformis Chev. par.* 302. *Peziza atrata Wahlenb. ups.* 466. *P. Patellaria Pers. syn.* 670. *Necs syst. f.* 257. *Lichen atratus Hedw. musc. Fr. II.* 61. *t.* 21. *f. A.*

Ad ligna putrida, Tiliarum praeprimis et Salicum Thuring. ubertim. Auctumno et hyeme.

2652. *C. sepincola W.*, ascomatibus primum hypophloeodeis subglobosis verruciformibus, dein vertice transversim irregulariterque rupto emergentibus discum-

que planum corneum opacum caesio-pulverulentum nigrum, strato intus carnoso atro-sanguineo impositum, margine crenato nitido cinctum recludentibus, demum libere sessilibus scutellaribus. — *Limboria sepincola Ach. Fr. lichenogr.* 456. *Schizoxylon sepincola Pers. in Moug. et Nestl. vog. n.* 174.

Ad ligna antiqua decorticata fraxinea mont. vogesi (*Mougeot*) et Thuring. rarius. (Lichenis naturam prorsus tergiversatur, blastematis vestigio ullo orbum, habitumque Patellariae abietinae exercet.)

†† *stromatica*, *ascomatibus e strato pseudostromatico emergentibus.* (*Dermea Fr. syst. orb. Cenangii spec. Fr. syst.*)

2653. *C. Carpini W.*, ascomatibus subcaespitosis exiguis, primum clausis, mox in discum planum carneo-flaventem, margine dilutiore tenuiter farinoso cinctum reclusis, sessilibus patellaribus, strato carnoso primum hypophloeodeo dein epidermidem scissam infarcienti superadditis, verrucas rotundatas mentientibus. — *Ditiola fasciculata Fr. syst. II.* 173. (*inter dubias.*) *Peziza carpinea Ehrh. Pers. syn.* 673., *myc. I.* 312. *Tubercularia fasciculata Tod. mecl.* 20. *t.* 4. *f.* 32.

Ad ramos Carpini Betuli languidos Hercyn. infer. passim.

2654. *C. truncatulum W.*, ascomatibus subcaespitosis hypophloeodeis, dein erumpentibus atris in discum planum dilatatum, margine tenui cinctum reclusis. — *Peziza truncatula Pers. syn.* 673., *myc. I.* 325. *Fr. syst. II.* 177. *nec Rebent.*

Ad ramulos fagineos. (*Persoon.*)

2655. *C. Cerasi W.*, ascomatibus primum hypophloeodeis stratoque hypostromatico fulvo-rufescente grumoso, epidermidem fissam infarciendo obliterante exceptis subcaespitosis inque illud nonnisi deliquescentibus, primum clausis, dein discum patellarem nigrum rugulosum, margine obtuso tenui concolore stratique rufescentis gremio veluti excepto cinctum recludentibus, scutel-

laribus. — *Cenangium Cerasi Fr. syst. II.* 179. *Peziza Cerasi Pers. syn.* 673., *myc. I.* 329. *Tubercularia Cerasi Schum. nec non Sphaeria dubia Pers. icon.* 43. *t.* 20. *f.* 1. *Sph. achroa DC. gall. VI.* 125. (*ceu monstra ab ascomatibus informandis deliquescentia.*)

β. Padi, ascomatibus subsolitariis, subtus ferrugineis. *Fr. l. l. Peziza Cerasi β. Alb. et Schw. nisk.* 345. *Sphaeria fallax Wahlenb. lapp.* 522.

Var. *α.* ad Pruni Cerasi ramulos languidos, v. c. Thuringiae passim; *β.* in Pruno Pado rarius.

307. ASCOBOLUS PERS. *Schlauchscheibling.*

Ascoma subcarnosum, primum globosum excipulo veluti corticatum, dein in discum hymenio ascophoro mox evanido obductum reclusum eoque marginatum. Asci clavati ampli dilati, sporidiis ovatis uniseriatis, latice exceptis foeti emergentes, elastice dissilientes.

(*Ascobolus Pers. ex emend. Lk. Fr. Peziza sp. auct.*)

† *sessiles, ascomatibus sessilibus.*

2656. *A. carneus Pers.*, ascomatibus sessilibus gregariis minutis carneis s. dilute-vinosis laevibus nudis, primum convexiusculis dein in discum subimmarginatum, ascis plurimis prominulis demum caducis foetum reclusis, applanatis. — *Ascobolus carneus Pers. syn.* 676. *Alb. et Schw. nisk.* 348. *Fr. syst. II.* 165.

Ad fimum vaccinum Lusatiae inferior. (*Alb. et Schw.*), agri gotting. (*Persoon*), thuring. (*Wallr.*), in consortio A. furfuracei, at parcius. Aestate.

2657. *A. immersus Pers.*, ascomatibus immersis subconicis irregularibus marginatis, ascis emersis inscriptis, extus tenuiter furfuraceis. — *Ascobolus immersus Pers. obs. I.* 35. *t.* 4. *f.* 7., *syn* 677. *Nees syst. f.* 297. *Fr. syst. II.* 164.

Ad fimum vaccinum rarius. Auctumno.

2658. *A. testaceus W.*, ascomatibus sessilibus ceraceo-gelatinosis glaberrimis testaceo-rufescentibus, demum

depressis, disco tenuiter punctulatis. — *Peziza testacea Moug. in Fr. elench. II.* 12. *nec Pers.*

Ad pannos putredine exesos talem qualem legi, qui cum hac congruere et cum aliis quibuscunque Peziza, v. c. cum P. albo-violascente huc potissimum pertinere videtur.)

2659. *A. pilosus Fr.*, ascomatibus minimis granuliformibus fulvo-testaceis gregariis, e basi parce pilosa albida sensim glabrescentibus discumque angustum, ascis prominulis decoloribus inscriptum monstrantibus. — *Ascobolus pilosus Fr. syst. II.* 164.

Ad fimum capreolinum et caprinum rarius.

2660. *A. glaber Pers.*, ascomatibus sessilibus minutis glabris nitentibus conicis confertis, primum rubentibus dein spadiceis s. aurantiis, demum convexiusculis discum marginatum, ascis prominulis inscriptum recludentibus, senilibus nigrescentibus. — *Ascobolus glaber Pers. obs. I.* 34. *t.* 4. *f.* 5., *syn.* 677. *Nees syst. f.* 297. *Alb. et Schw. nisk.* 348. *Fr. syst. II.* 164.

Ad fimum vaccinum passim. Auctumno.

2661. *A. ciliatus Schm.*, ascomatibus sessilibus gregariis subhemisphaericis glabris aurantiacis minutis, dein discum planum ascis paucis validis inscriptum, margine tumido ciliato albo cinctum recludentibus. — *Ascobolus ciliatus Schmidt in Kz. myk. Hf. I.* 90. *Fr. syst. II.* 164.

Ad fimum vaccinum in locis udis rarius. Auctumno.

2662. *A. papillatus W.*, ascomatibus carnosis gregariis, extus setis porrectis hyalinis, primum in comam congestis torvis sphaericis, dein obconico-turbinatis discum planum angustum, ascis ovalibus pellucidis prominulis inscriptum nitidulum immarginatum setis porrectis munitum recludentibus, sessilibus dein deplanatis, effoetis tenuiter membranaceis. — *Peziza papillata Pers. syn.* 650. *Alb. et Schw. nisk.* 321. *Nees syst. f.* 276. *Fr. syst. II.* 88.

In similibus cum praecedente locis, nec non in fimo

equino. Auctumno. (Asci pellucidi octospori ovales discum demum relinquunt omnino saepiusque pilis lateralibus adhaerent; hinc Ascoboli species neque ac Peziza albo-violascens. *Cf. Fr. elench. II.* 16.)

2663. *A. porphyrosporus Fr.*, ascomatibus sessilibus gregariis minutis, extus hirtulis lurido-viridibus, primum globoso-conoideis illisque dein rotundato-cupulatis, his subcylindricis, discum e purpura micantem monstrantibus. — *Ascobolus porphyrosporus Fr. syst. II.* 163. *Octospora porph. Hedw. l. l. II.* 25. *t.* 7. *f. A.*

Ad stramina fimi veteris equini in agro lipsiens. (*Hedwig.*) Auctumno.

2664. *A. furfuraceus Pers.*, ascomatibus carnosis dilute-fuscescentibus, extus tegmine grumoso-furfuraceo ruguloso pallido-cinereo tectis, primum subglobosis subsessilibus, dein vertice in osculum rotundum hiantibus discumque concavum fuscescentem ascis nigris inscriptum latusculorumque reclinatorum limbo marginatum informantibus, scutellaribus, mole variis. — *Ascobolus furfuraceus Pers. obs. I.* 33. *t.* 4. *f.* 3., *syn.* 676. *Alb. et Schw. nisk.* 348. *Fr. syst. II.* 163. *Peziza fusca Bolt. fung. t.* 109. *f.* 2. *P. stercoraria Bull. t.* 376. *Sowerb. fung. t.* 18. *P. atra Huds. Elvella fimetaria Scop.*

Ad fimum vaccinum in nemoribus ubertim. Auctumno sero.

†† *substipitati, lignatiles.*

2665. *A. denudatus Fr.*, ascomatibus luteo-viridibus glabris breviter stipitatis in cupulam turbinatam planam marginatam, ascis nigricantibus refertam sensim dilatatis. — *Ascobolus denudatus Fr. syst. II.* 162.

Ad ligna pinea humo obversa Hercyn. super. rarius.

2666. *A. lignatilis A. et Schw.*, ascomatibus gregariis sordide lutescentibus, e basi stipitiformi brevi crassiuscula in cupulam planam marginatam, ascis pluriemis nigro-punctatam dilatatis. — *Ascobolus lignatilis Alb. et Schw. nisk.* 347. *t.* 6. *f.* 6. *Fr. syst. II.* 162.

Ad ligna pinea subterranea sordibus spurca Lusatiae v. c. superior. (*Albertini et Schweiniz.*) Auctumno.

808. BULGARIA FR. *Bulgarie.*

Ascoma primum clausum obconicum, extus rugosum, intus glutinoso-pulposum veluti elasticum, mox vertice rupto in discum planum, ascis stipatis dein emersis foetum reclusum. Asci ampli distincti nigri, demum cum sporidiis elastice erumpentes, saepius in paraphyses inanes intermixtas desciscentes.

(*Ascoboli sp. Lk. Nees. Pezizar. tremelloidearum sp. Alb. et Schw. Tremellae et Octosporae sp. auct. Burcardia Schmid. nec Scop. et Schreb. Polymorphus Naumburg, nec Chevaill. Lycoperdi sp. L.*)

2667. *B. fusco-badia Fr.*, ascomatibus carnoso-tremellosis fusco-badiis caespitosis, disco varie impresso. — *Fr. syst. II.* 169. *Peziza fusco-badia Rebent. neom.* 383. Ad ramos fagineos putres Neomarchiae. (*Rebentisch.*)

2668. *B. laciniata W.*, ascomatibus exiguis carnosulis, extus umbrinis praeter rugas venoso-reticulatas subtilissimas glabris, primum e basi brevi stipitiformi hemisphaericis clausis, dein vertice stellatim scissis discumque pallide-lividum, ascis emersis incusum recludentibus, siccando conniventibus nigrescentibus. — *Phacidium laciniatum Fr. elench. II.* 132. *Peziza laciniata Alb. et Schw. nisk.* 333. *t.* 7. *f.* 8.

Ad folia (salicina v. c. et alnea) aliasque quisquilias locis udis putrescentes, Lusatiae. (*Albert. et Schweiniz.*) (Ascorum emersorum et fumi instar secedentium ratione huc retuli.)

2669. *B. Clavus W.*, ascomatibus carnoso-tremellosis firmulis gregariis, extus glabris e viola debili pallentibus, e basi stipitiformi crassa obconicis, dein in discum livido-violaceum immarginatum convexiusculum dilatatis pileatis. — *Peziza Clavus Alb. et Schw. nisk. t.* 306. *t.* 11. *f.* 5. *Fr. syst. II.* 137. *Pers. myc. I.* 322.

Ad folia putrida locis udis delapsa, Lusatiae v. c. (*Albertini et Schweinitz*). Vere, rarius.

2670. *B. sarcoides Fr.*, ascomatibus gregariis subcaespitosis carnoso-tremellosis tenacibus incarnato-rubris majusculis, extus glabris subvenosis, subturbinatis valde polymorphis, saepius figuras amorphas adficientibus, vertice demum in discum concolorem dilatatis. — *Bulgaria sarcoides Fr. syst. II.* 168. *P. sarcoides Pers. syn.* 633. *Alb. et Schw. nisk.* 305. *Pers. myc. I.* 320., *(quo loco plures var. sigillatim describuntur.) P. metamorpha Schum. saell. II.* 414. *pr. pr. P. carnosa Flor. dan. t.* 1017. *f.* 1. *P. turbinata Flor. dan. t.* 1017. *Pers. syn.* 634. *Octospora carnea Hedw. l. l. t.* 7. *f. B. Peziza porphyria Batsch elench. f.* 53. *Merulius violaceus Flor. dan. t.* 655. *f.* 3. *P. tremelloidea Bull. t.* 410. *Helvella sarcoides Bolt. t.* 101. *Elvella purpurea Schaeff. t.* 323. 324. *Lichen sarcoides Jacq. misc. II. t.* 22.

Ad caudices arborum, Quercuum praeprimis et Alnorum putrescentes ubertim, mira figurae mutabilitate fastidiens. Auctumno et hyeme vulgaris.

2671. *B. pura Fr.*, ascomatibus molliter tremellosis laevibus carneo-pallidis, primum obconicis dein tenuatis expansis irregulariter repandis, marginem revolventibus. — *Bulgaria pura Fr. syst. II.* 168. *Peziza pura Pers. obs. I.* 40., *myc. I.* 320.

Ad caudices abietinos putres, v. c. Hercyn. superior. (*Persoon.*) Auctumno. (Vix a sequente diversa.)

2672. *B. inquinans Fr.*, ascomatibus stipato-pulposis elasticis, extus rugulosis tenuiter furfuraceis umbrinis, intus venoso-marmoratis dilutioribus, primum e basi insculpta obovatis clausis, mox turbinatis vertice in discum sensim dilatatum plano-convexiusculum marginatum, ascis profusis inquinantibus nigris tectum reclusis latusculisque reclinatis subsidentibus. — *Bulgaria inquinans Fr. syst. II.* 167. *Ascobolus inquinans Nees syst. f.* 296. *Peziza inquinans Pers. syn.* 631. *P. infundibuliformis Hoffm. veget. cr. II. t.* 6. *f.* 2. *P. nigra Bull.*

t. 460. *Sowerb. t.* 428. *Octospora elastica Hedw. l. l. t.* 6. *f.* 5. *Burcardia turbinata Schmid. anal. t.* 70. *Polymorphus tremelloides Naumb. Pez. brunnea Batsch elench. f.* 50. *Elvella pulla Schaeff. t.* 158. *Tremella turbinata Huds. Tr. agaricoides Retz. Pez. polymorpha Flor. dan. t.* 464.

Ad truncos caesos, Quercus potissimum, Alnos et Fagos, Hyades praenotans, ubertim. Hyeme.

2673. *B. globosa Fr.*, ascomatibus globosis, basi aequali parce fibrillosa leviter adfixis, extus longitudinaliter plicatis transversimque rugosis sericeo-mollibus minutissimeque papulosis umbrinis, intus pulposis, dein vertice in discum concavo-planiusculum atrum reclusis. — *B. globosa Fr. l. l. Peziza Burcardia Pers. myc. l.* 632. *Ascobolus Burcardia Mart. crl.* 471. *Burcardia globosa Schmid. anal. t.* 69. *Lycoperdon truncatum L. syst.*

In pinetis humidis ad terram argillaceam agri erlangens. fere solum a *Schmidelio* anno 1755 detecta.

309. CYPHELLA FR. *Becherscheibling.*

Ascoma tenuiter membranaceum concavum, e basi brevi obliquatum subcernuum, intus membranula tenui, sporidiis globosis majusculis liberis suffusa vestitum, demum hinc lacero-hians hymeniumque inferum veluti mentiens.

2674. *C. muscicola Fr.*, ascomatibus gregariis tenerrimis fragilibus subsessilibus albido-pallentibus, primum integris urceolatis dein magis dilatatis cernuis, extus glabriusculis fibroso-striatis, denique lacero-repandis, hymenium dilute-fuscescens pruinosum explanantibus. — *Cyphelia muscicola Fr. syst. II.* 202.

α. cinerea, ascom. extus cinereis, intus albidis. *C. muscicola β. inaequilatera Fr. l. l. Peziza inaequilatera Schum. saell. II.* 421.

β. lutescens, ascom. extus albicantibus, intus ochraceo-lutescentibus. *Fr. l. l. Thelephora lutescens Pers. myc. I.* 116.

Ad Muscos, praeprimis Neckeram curtipendulam. Autumno passim suisque locis.

2675. *C. lacera Fr.*, ascomatibus membranaceis exiguis erectiusculis campanulatis, colore et superficie variis, intus rugoso-venosis, demum multifido-laceris. — *C. lacera Fr. l. l.* 202. *Pezisa membranacea Alb. et Schw. nisk.* 316. *t.* 1. *f.* 5. *P. lacera Pers. myc. I.* 208. *nec* 227.

Ad sarmenta aliasque quisquilias humo putrescentes passim. (Ascomatibus variis, nunc intus albidis, extus cum stipite brevi cinereo-nigricantibus, fibrillulis adpressis nigricantibus striatulis, nunc laevibus omnino, e basi crassiore obconicis albo-glaucescentibus minus laceris, nunc dilute flaventibus promiscue redit.)

2676. *C. Digitalis Fr.*, ascomatibus subpapyraceis, e basi stipitiformi obliquo-gibba in cupulam primum clausam, mox apertam subventricosam pendulam digitaliformem, extus fibrillosam umbrinam, intus albido-caesiam farinosam dilatatis. — *C. Digitalis Fr. l. l. Pezisa Digitalis Alb. et Schw. nisk.* 315. *t.* 5. *f.* 1.

Ad truncos fibetinos et pineos passim.

310. VOLUTELLA TODE. *Wulstscheibling.*

Ascoma hypocrateriforme stipitatum coriaceum, margine revolutum apertum, velo partiali tectum, intus repletura unguinosa, in resinam coagulanda comminuenda iterumque. *Tode mecklb. I.* 28. *Fr. syst. II.* 172. — Genus inquirendum neque *Friesio* neque mihi notum, incerti loci, habitu ad Tympania vergens.

2677. *V. volvata Tode l. l. t.* 5. *f.* 43. *V. nuda Fr. l. l.*

Ad ramulos languentes Pruni spinosae, tempore pluvio in agro meclenburg. (*Tode.*) Auctumno. (Sparsa, colore albo, fulvescente, demum flavo-fusco. Cupula linea minor, formam hypocrateris cum patellae, demum permutat. Velum candidum dissiliens. Hymenium cerati

t. 460. *Sowerb. t.* 428. *Octospora clastica Hedw. l. l. t.* 6. *f.* 5. *Burcardia turbinata Schmid. anal. t.* 70. *Polymorphus tremelloides Naumb. Pez. brunnea Batsch elench. f.* 50. *Elvella pulla Schaeff. t.* 158. *Tremella turbinata Huds. Tr. agaricoides Retz. Pez. polymorpha Flor. dan. t.* 464.

Ad truncos caesos, Quercus potissimum, Alnos et Fagos, Hyades praenotans, ubertim. Hyeme.

2673. *B. globosa Fr.*, ascomatibus globosis, basi aequali parce fibrillosa leviter adfixis, extus longitudinaliter plicatis transversimque rugosis sericeo-mollibus minutissimeque papulosis umbrinis, intus pulposis, dein vertice in discum concavo-planiusculum atrum reclusis. — *B. globosa Fr. l. l. Peziza Burcardia Pers. myc. I.* 632. *Ascobolus Burcardia Mart. crl.* 471. *Burcardia globosa Schmid. anal. t.* 69. *Lycoperdon truncatum L. syst.*

In pinetis humidis ad terram argillaceam agri erlangeus. fere solum a *Schmidelio* anno 1755 detecta.

309. CYPHELLA FR. *Becherschcibling.*

Ascoma tenuiter membranaceum concavum, e basi brevi obliquatum subcernuum, intus membranula tenui, sporidiis globosis majusculis liberis suffusa vestitum, demum hinc lacero-hians hymeniumque inferum veluti mentiens.

2674. *C. muscicola Fr.*, ascomatibus gregariis tenerrimis fragilibus subsessilibus albido-pallentibus, primum integris urceolatis dein magis dilatatis cerauis, extus glabriusculis fibroso-striatis, denique lacero-repandis, hymenium dilute-fuscescens pruinosum explanantibus. — *Cyphelia muscicola Fr. syst. II.* 202.

α. cinerea, ascom. extus cinereis, intus albidis. *C. muscicola β. inaequilatera Fr. l. l. Peziza inaequilatera Schum. saell. II.* 421.

β. lutescens, ascom. extus albicantibus, intus ochraceo-lutescentibus. *Fr. l. l. Thelephora lutescens Pers. myc. I.* 116.

Ad Muscos, praeprimis Neckeram curtipendulam. Auctumno passim suisque locis.

2675. *C. lacera Fr.*, ascomatibus membranaceis exiguis erectiusculis campanulatis, colore et superficie variis, intus rugoso-venosis, demum multifido-laceris. — *C. lacera Fr. l. l.* 202. *Peziza membranacea Alb. et Schw. nisk.* 316. *t.* 1. *f.* 5. *P. lacera Pers. myc. I.* 280. *nec* 227.

Ad sarmenta aliasque quisquilias humo putrescentes passim. (Ascomatibus variis, nunc intus albidis, extus cum stipite brevi cinereo-nigricantibus, fibrillulis adpressis nigricantibus striatulis, nunc laevibus omnino, e basi crassiore obconicis albo-glaucescentibus minus laceris, nunc dilute flaventibus promiscue redit.)

2676. *C. Digitalis Fr.*, ascomatibus subpapyraceis, e basi stipitiformi obliquo-gibba in cupulam primum clausam, mox apertam subventricosam pendulam digitaliformem, extus fibrillosam umbrinam, intus albido-caesiam farinosam dilatatis. — *C. Digitalis Fr. l. l. Peziza Digitalis Alb. et Schw. nisk.* 315. *t.* 5. *f.* 1.

Ad truncos abietinos et pineos passim.

810. VOLUTELLA TODE. *Wulstscheibling.*

Ascoma hypocrateriforme stipitatum coriaceum, margine revolutum apertum, velo partiali tectum, intus repletura unguinosa, in resinam coagulanda comminuenda farctum. *Tode meclb. I.* 28. *Fr. syst. II.* 172. — Genus inquirendum neque *Fricsio* neque mihi notum, incerti loci, habitu ad Tympania vergens.

2677. *V. volvata Tode l. l. t.* 5. *f.* 43. *V. nuda Fr. l. l.*

Ad ramulos languentes Pruni spinosae, tempore pluvio in agro mecklenburg. (*Tode.*) Auctumno. (Sparsa, colore albo, fulvescente, demum flavo-fusco. Cupula linea minor, formam hypocrateris cum patellae, demum permutat. Velum candidum dissiliens. Hymenium cerati

Ad ligna pinea subterranea sordibus spurca Lusatiae v. c. superior. (*Albertini et Schweiniz.*) Auctumno.

808. BULGARIA FR. *Bulgarie.*

Ascoma primum clausum obconicum, extus rugosum, intus glutinoso-pulposum veluti elasticum, mox vertice rupto in discum planum, ascis stipatis dein emersis foetum reclusum. Asci ampli distincti nigri, demum cum sporidiis elastice erumpentes, saepius in paraphyses inanes intermixtas desciscentes.

(*Ascoboli sp. Lk. Nees. Pezizar. tremelloidearum sp. Alb. et Schw. Tremellae et Octosporae sp. auct. Burcardia Schmid. nec Scop. et Schreb. Polymorphus Naumburg. nec Chevaill. Lycoperdi sp. L.*)

2667. ***B. fusco-badia Fr.*****, ascomatibus carnoso-tremellosis fusco-badiis caespitosis, disco varie impresso.** — *Fr. syst. II.* 169. *Peziza fusco-badia Rebent. neom.* 288. Ad ramos fagineos putres Neomarchiae. (*Rebentisch.*)

bonatis mammillaribus livido-nigris, guttulam co-
veluti mentientibus.
ligna quercina decorticata v. c. Hercyn. inferior.
a. Auctumno.

312. PERIOLA FR. *Kappenträger.*

ascoma varium sessile arrhizum, intus solidum car-
-gelatinosum, extus villo persistente cum sporidiis
letis interspersis vestitum eoque veluti corticatum.
Periola Fr. Sclerotii sp. auct.) — Vegetabilia amphi-
nondum rite perspecta, habitu Sclerotii, substantia
Tremellae.

2679. *P. hirsuta Fr.*, ascomatibus sparsis subro-
odis pulvinatis subturbinatisve, extus hirsutis ochro-
ucis, basin versus umbrinis, intus carnoso-gelatinosis
llidioribus. — *Periola hirsuta Fr. syst. II.* 266. *Scle-
otium hirsutum Schum. saell. II.* 187. *Flor. dan. t.* 1320.

Ad Rhizomorpham subcorticalem truncos exesos udos
erreptantem rarius, sero auctumno.

2680. *P. furfuracea Fr.*, ascomatibus hemisphae-
ricis sessilibus inconditis, extus testaceo-furfuraceis, in-
tus carnoso-gelatinosis nigrescentibus, siccando coactis.
Periola furfuracea Fr. elench. II. 46.

Ad poma in straminibus putrescentia, v. c. Thuring.
(*Wallr.*) Hyeme. (Caute, si quidem differt, a Scle-
rotio pyrino *Nees* (*cf. fl. cr. II.* 138.) diguoscendum,
quod *Friesio* auctore hanc speciem sistit.)

2681. *P. tomentosa Fr.*, ascomatibus sparsis con-
glomeratisque rotundatis albis saepius difformibus, extus
tomentosis, intus subcarnosis coactis pallidioribus. —
Periola tomentosa Fr. syst. II. 267. *Sclerotium tomen-
tosum Fr. obs. I.* 205. *an quoque Tod. mscl.*

Ad tubera Solani tuberosi et Daucos Carotas hyemo
in cellis putrescentes, in consortio Sclerotii varii *Pers.*,
pro cujus initiis junioribus illud diu habui.

315. AGYRIUM FR. *Glatzenträger.*

Ascoma compactum, humectum gelatinosum, siccando ceraceo-coactum, innato-sessile laeve undique glabrum ascophorum, extus dein in sporidia fatiscens.

(Stictis et Tuberculariae s. auct.) Generis notio parum constat ejusque cives *Friesio* auctore laudati, tum Tuberculariis tum Sphaeriarum stromaticarum initia, in phymata desciscentia referre plane videntur.

2682. ***A. herbarum Fr.***, ascomatibus gregariis exiguis irregularibus planiusculis laevibus rufo-fuscis, intus albentibus, siccando nigrescentibus. — *Agyrium herbarum Fr. syst. II.* 233. *Tremella Stictis Alb. et Schw. nisk.* 301.

Ad caules herbarum elatiorum, hyeme, passim.

2683. ***A. nigricans Fr.***, ascomatibus gregariis adnatis subrotundis convexis, dein rugulosis confluentibus fuligineo-nigricantibus. — *Agyrium nigricans Fr. l. l. Tubercularia nigricans Spr. syst. IV.* 565.

Ad ligna putrida, quercina et tiliacea, in quibus quidem saepius ascomata minora et subsphaerica occurrunt. Hyeme.

2684. ***A. rufum Fr.***, ascomatibus punctiformibus, e basi applanata innata sphaericis, halone albicante saepius cinctis, humectis incarnatis, siccis compactis rufo-fuscis. — *A. rufum Fr. syst. II.* 232., *elench. II.* 37. *Crev. scot. t.* 232. *Tubercularia rufa Spr. l. l. Stictis rufa Pers. obs. II.* 74. *t.* 6. *f.* 6. *Tremella Stictis Pers. syn.* 628. *Lichen hyloicus Ach. prodr.*

Ad ligna abietina et pinea vetusta, vulgare.

2685. ***A. caesium Fr.***, ascomatibus punctiformibus gregariis convexis albido-caesiis, humectis mollibus pellucidis, siccis indurescentibus. — *A. caesium Fr. syst. l. l. ?Aegerita caesia Pers. syn.* 685.

Ad ligna vetusta decorticata passim.

Ad Muscos, praeprimis Neckeram curtipendulam. Autumno passim suisque locis.

2675. *C. lacera Fr.*, ascomatibus membranaceis exiguis erectiusculis campanulatis, colore et superficie variis, intus rugoso-venosis, demum multifido-laceris. — *C. lacera Fr. l. l.* 202. *Peziza membranacea Alb. et Schw. nisk.* 316. *t.* 1. *f.* 5. *P. lacera Pers. myc. I.* 209. *nec* 227.

Ad sarmenta aliasque quisquilias humo putrescentes passim. (Ascomatibus variis, nunc intus albidis, extus cum stipite brevi cinereo-nigricantibus, fibrillosis adpressis nigricantibus striatulis, nunc laevibus omnino, e basi crassiore obconicis albo-glaucescentibus missa laceris, nunc dilute flaventibus promiscue redit.)

2676. *C. Digitalis Fr.*, ascomatibus subpapyraceis, e basi stipitiformi obliquo-gibba in cupulam primum clausam, mox apertam subventricosam pendulam digitaliformem, extus fibrillosam umbrinam, intus albido-caesiam foriosam dilatatis. — *C. Digitalis Fr. l. l. Peziza Digitalis Alb. et Schw. nisk.* 315. *t.* 5. *f.* 1.
Ad truncos fibrosos et ploeos passim.

510. VOLUTELLA TODE. *Wulstscheibling.*

Ascoma hypocrateriforme stipitatum coriaceum, margine revolutum apertum, velo partiali tectum, intus repletura sanguinea, in resinam coagulanda communicanda farctum. *Tode mecklb. I.* 28. *Fr. syst. II.* 172. — Genus inquirendum neque *Friesio* neque mihi notum, incerti loci, habitu ad Tympania vergens.

2677. *V. volvata Tode l. l. t.* 5. *f.* 43. *V. nuda Fr. l. l.*

Ad ramulos languentes Prunl spinosae, tempore pluvio in agro mecklenburg. (*Tode.*) Autumno. (Sparsa, colore albo, fulvescente, demum flavo-fusco. Cupula linea minor, formam hypocrateris cum patellae, demum permutat. Velum candidum dissiliens. Hymenium ceratl

gregariis minutis compactis gyrosis pallide-violaceis, siccando nigrescentibus. — *D. violaceus Fr. l. l. Tremella violacea Relh. Pers. syn.* 623.

Ad truncos Pyri et Mali putres, hyeme, rarius.

2691. *D. fragiformis Nees*, ascomatibus subcompactis rotundis rubentibus, extus plicis confertis lobatis exaratis, intus pallescentibus. — *D. fragiformis Nees l. l. Fr. syst. l. l. Tremella fragiformis Pers. syn.* 622., *icon. t.* 10. *f.* 1.

β. carpinea, ascom. minoribus, oblongis. *Fr. l. l. Tr. fragif. β. carpinea Alb. et Schw. nisk.* 301.

Ad cortices pineos, *β.* carpineos, rarius. Vere.

315. NAEMATELIA FR. *Kernling.*

Ascoma gelatinosum glabrum amorphum pulvinatum plicato-gyrosum, extus undique sporidiis minutissimis simplicibus dein emersis foetum, intus corpusculo nucleiformi carnoso coacto duriusculo dissimili auctum.

(Naematelia Fr. Tremellae sp. Nees Spr. Willd. Pers. Encephalium Lk.) Genus auceps, ascomatis fere sporophori indole ad Tremellas, corpusculo nucleiformi inditi figuratione ad Myxarium meum (cr. *II.* 260) revergens.

2692. *N. rubiformis Fr.*, ascomatibus subsessilibus orbicularibus depressis gyrosis luteo-aurantiacis. *N. rubiformis Fr. syst. II.* 228. *Encephalium aurantiacum Link. Tremella encephaloides et alutacea Schum. saell. II.* 438.

Ad virgas humi jacentes putrescentes, hyeme.

2693. *N. encephala Fr.*, ascomatibus subsessilibus solitariis pulvinato-difformibus crassiusculis pulposo-gelatinosis carneo-pallentibus, corpusculum album graniforme hinc saepius producturn foventibus, siccando fuscescentibus. — *N. encephala Fr. syst. II.* 227. *Tremella encephaliformis Willd. l. l. t.* 4. *f.* 14. *Alb. et Schw. nisk.* 301. *Pers. myc. I.* 98.

Ad truncos pineos et abietinos dejectos. Vere.

lis umbonatis mammillaribus livido-nigris, guttulam coactam veluti mentientibus.

Ad ligna quercina decorticata v. c. Hercyn. inferior. passim. Autumno.

312. PERIOLA FR. *Kappenträger.*

Ascoma varium sessile arrhizum, intus solidum carnoso-gelatinosum, extus villo persistente cum sporidiis chamaeleontis interspersis vestitum eoque veluti corticatum. (*Periola Fr. Sclerotii sp. auct.*) — Vegetabilia amphibola, nondum rite perspecta, habitu Sclerotii, substantia fere Tremellae.

2679. *P. hirsuta Fr.*, ascomatibus sparsis subrotundis pulvinatis subturbinatisve, extus hirsutis ochraceis, basin versus umbrinis, intus carnoso-gelatinosis pallidioribus. — *Periola hirsuta Fr. syst. II.* 266. *Sclerotium hirsutum Schum. saell. II.* 187. *Flor. dan. t.* 1329.

Ad Rhizomorpham subcorticalem truncos exesos udos perreptantem rarius, sero autumno.

2680. *P. furfuracea Fr.*, ascomatibus hemisphaericis sessilibus inconditis, extus testaceo-furfuraceis, intus carnoso-gelatinosis nigrescentibus, siccando coactis. *Periola furfuracea Fr. elench. II.* 16.

Ad poma in stramineis putrescentia, v. c. Thuring. (*Wallr.*) Hyeme. (Cauta, si quidem differt, a Sclerotio pyrino *Nees* (*cf. fl. er. II.* 138.) dignoscendum, quod *Friesio* auctore hanc speciem statit.)

2681. *P. tomentosa Fr.*, ascomatibus sparsis conglomeratisque rotundatis albis saepius difformibus, extus tomentosis, intus subcarnosis coactis pallidioribus. — *Periola tomentosa Fr. syst. II.* 267. *Sclerotium tomentosum Fr. obs. I.* 205. *an quoque Tod. mscl.*

Ad tubera Solani tuberosi et Dauci Carotae hyeme in cellis putrescentes, in consortio Sclerotii varii *Pers.*, pro cujus initiis juvenibus illud diu habui.

818. AGYRIUM FR. *Glatzenträger.*

Ascoma compactum, humectum gelatinosum, siccando ceraceo-coactum, innato-sessile laeve undique glabrum ascophorum, extus dein in sporidia fatiscens.

(Stictis et Tubercullariae s. auct.) Generis notio parum constat ejusque cives *Friesio* auctore laudati, tum Tubercularias tum Sphaeriarum stromaticarum initia, in phymata desciscentia referre plane videntur.

2682. *A. herbarum Fr.*, ascomatibus gregariis exiguis irregularibus planiusculis laevibus rufo-fuscis, intus albentibus, siccando nigrescentibus. — *Agyrium herbarum Fr. syst. II.* 233. *Tremella Stictis Alb. et Schw. nisk.* 304.

Ad caules herbarum elatiorum, hyeme, passim.

2683. *A. nigricans Fr.*, ascomatibus gregariis adnatis subrotundis convexis, dein rugulosis confluentibus fuligineo-nigricantibus. — *Agyrium nigricans Fr. l. l. Tubercularia nigricans Spr. syst. IV.* 565.

314. DACRYMYCES NEES. *Tropfenpilz.*

Ascoma guttatim erumpens glaberrimum sessile rotundatum, ex floccis assurgentibus sporophoris in massam cerraso-gelatinosam conformem coactis, demum deliquescens.

2686. *D. Syringae Fr.*, ascomatibus orbicularibus subtuberculosis minutis aurantio-rubris, basi stipitiformi brevissima suffultis. — *Dacrym. Syringae Fr. syst. II. 230. Tremella Syringae Schum. saell. II. 440.*

Ad ramos Syringae languidos passim. Hyeme.

2687. *D. tortus Fr.*, ascomatibus laevibus luteseentibus, e basi tereti cubilibus insculpta in verticem subrotundum convexiusculum immarginatum dilatatis subtarbinatis, demum luteo-fuscis tenuis hyalinis. — *Dacrymyces tortus Fr. elench. II. 36. D. stillatus auct. ipiurq. Necsii pr. pr. Tremella torta Willd. in bot. Mag. IV. 182.*

Ad ligna putrida pinea, extante hyeme, frequens.

2688. *D. roseus Fr.*, ascomatibus minutissimis mollibus roseis immarginatis, vertice impressis cupuliformibus. — *Dacrymyces roseus Fr. elench. II. 35.*

Ad lungermanniam hyssoeam senio confectam, v. c. in monte vogeso. (*Mougeot.*)

2689. *D. stillatus Nees*, ascomatibus gregariis subconfluentibus polymorphis aureo-lutescentibus, siccando cereis aurantio-rubentibus, basi infixa cubilis penetrantibus pezizoideis, primum sphaericis, dein obconicis convexis. — *D. stillatus Nees syst. 89. f. 90. Fr. syst. II. 230. Tremella sepincola Willd. l. l. Tr. abietina Pers. obs. Alb. et Schw. 304. Tr. deliquescens Bull. t. 455. f. 2. Hebent. neom. 284. Tr. miliaria Schrank.*

β. lutescens, ascomatibus tenuibus nitidis, siccando fuscescentibus. *Fr. l. l. Tremella lacrymalis Pers. syn. 628.*

Ad ligna abietina et pinea fabefacta putredini nuda subjecta frequens. Hyeme.

2690. *D. violaceus Fr.*, ascomatibus erumpentibus

neo-purpureoque nigrescentibus. — *Tr. fimbriata Pers. syn.* 626. *Fr. syst. II.* 212. *Tr. tinctoria Pers. l. l. Tr. verticalis Bull. t.* 272.

β. undulata, ascom. purpureo-nigrescentibus. *Fr. l. l. Tr. undulata Hoffm. veg. crypt. I. t.* 7. *f.* 1. *Pers. l. l.*

Ad caudices ramosque arborum frondosarum, alneos potissimum. Auctumno. (Ex aqua iterum reviviscit eamque colore saturatius fulvo tingere solet.)

β. clavati, ascomatibus e stipite sterili suffulciente in clavulam subcylindricam simplicem s. in ramos divulsam desinentibus, ad extremitates ascis sublinearibus fœtis.

(*Hymenomycetum ordo II. clavati Fr. Fungi clavaeformes et helvelloidei Pers. pr. pr. F. clavati Dill. Nees. Clavariae typhulae A. et Schw. Clavariae sp. L.*)

a. corynoidei, ascomatibus simplicibus pistilliriclavatis, nisu ramos redintegrandi insignibus.

318. PISTILLARIA FR. *Pistillträger.*

Ascoma simplicissimum ovato-cylindricum gracile cum stipite sensim confluens, apicem versus hymenio concreto obsolete sporophoro foetum.

(*Pistillaria Fr. Clavariae sp. auct. Phacorrhiza Pers. myc.*)

2706. *P. pusilla Fr.*, ascomatibus minimis gregariis linearibus glaberrimis albis, siccando pallentibus. — *Pistillaria pusilla Fr. syst. I.* 498. *Clavaria pusilla Pers. clav.* 86. *t.* 3. *f.* 6., *syn.* 605. *Alb. et Schw.* 292.

Ad folia sicca Betulae in locis udis rarius. Auctumno serotino.

2707. *P. muscicola Fr.*, ascomatibus e basi fibrillosa dilatata in clavulam filiformem obtusam glabram albam sensim desinentibus. — *Pistillaria muscicola Fr. l. l. Clavaria muscicola Pers. II.* 60. *t.* 3. *f.* 2., *syn.* 606. *Nees syst. f.* 154.

Inter muscos terrestres in locis umbrosis limosis, Leskeam polyantham potissimum occupans.

2708. *P. quisquiliaris Fr.*, ascomatibus e basi stipitiformi sensim in clavulam ovato-oblongam concoloren album glabram sensim incrassatis. — *P. quisquiliaris Fr. l. l. P. obtusa Dub. gall. II.* 761.

Ad stipites Pteridis aquilinae putres rarius.

2709. *P. ovata Fr.*, ascomatibus e stipite brevissimo pellucido distincto in clavulam obovatam candidam subcompressam conformem, ex sporidiis adspersis pruinosam desinentibus. — *P. ovata Fr. l. l. Clavaria ovata Pers. syn.* 605. *Cl. pusilla Sw.*

Ad quisquilias herbaceas putres passim. Vere.

2710. *P. micans Fr.*, ascomatibus e stipite brevi albicante pellucido subcorneo in clavulam obovatam obtusam, ex sporidiis adspersis dilute roseam desinentibus. — *P. micans Fr. l. Stilbum micans Pers. myc. I.* 355. *?Sclerotium lactum Ehrenb. berol.* 27. *t.* 3. *f.* 2. *Wallr. crypt. II.* 140. *Clavaria micans Pers. syn.* 604.

Ad caules herbarum elatiorum putres passim. (Caute ab Acrospermo compresso dignoscenda.)

319. TYPHULA FR. *Kolbenträger.*

Ascoma carnosum subcylindricum, stipite discreto filiformi tenacello suffultum, superne in clavulam undique sporophoram desineus.

(*Clavariae sp. auct. Cl. stipite clongato, tuberculo radicali insidente Pers. myc.*)

2711. *T. villosa Fr.*, ascomatibus simplicibus e stipite glabro rubente-badio in clavulam obvatam turgidam pallidam villosulam albidam desinentibus. — *Typhula villosa Fr. syst. I.* 495. *Clavaria villosa Schum. Cl. capillaris Holmsk.*

Ad folia putria, alnea praeprimis, rarissime.

2712. *T. erythropus Pers.*, ascomatibus simplicibus exiguis, e stipite erecto subcorneo parce pubescente stricto atro-rubente, saepius ex tuberculo sclerotiformi

matricali succrescente in clavulam glabram albam cylindricam desinentibus. — *Typhula erythropus Fr. l. l. Clavaria (Typhula) erythropus Pers. syn.* 606. *t.* 2. *f.* 14. *Phacorrhiza erythr. Grev. scot. t.* 43. *Cl. gyrans Bull. t.* 112. *nec Batsch.*

Inter folia putria rarius. Auctumno sero.

2713. *T. Phacorrhiza Fr.*, ascomatibus simplicibus e stipite fuscescente parce pubescente (tuberculo sclerotiformi firmo s. obtexto superaddito) in clavulam lineari-subulatam glabram albam desinente. — *Typhula Phac. Fr. syst. I.* 495. *Phacorrhiza filiformis Grev. scot. t.* 93. *Clavaria filamentosa Wallr. in lit. C. Rhacorrhiza Pers myc. I.* 192.

Ad terram hortorum nudam post imbres copiosos, nec non ad folia decidua in locis udis (*var. epiphylla Alb. et Schw.*), at parcius.

2714. *T. gyrans Fr.*, ascomatibus simplicibus, e stipite tenerrimo flexuoso tenuiter pubente, ex tuberculo sclerotiformi oblongo fusco assurgente in clavulam albam filiformem desinentibus. — *Typhula gyrans Fr. syst. I.* 494. *Ehrenb. sylv.* 18. *Clavaria gyrans Batsch cont. II. f.* 194. *Pers. syn.* 606., *myc. I.* 191. *Alb. et Schw. sub.* 292. *Cl. setipes Grev. scot. t.* 49. *(cum forma tuberculo destituta.) Cl. granulata Willd. berol.* 705. *t.* 7. *f.* 11. *Pers. l. l.*

Ad folia decidua, alnea potissimum et stipites arescentes quoscunque, passim. Auctumno.

2715. *T. Todei Fr.*, ascomatibus simplicibus e stipite elongato capillari glabro albo clavulam sublineari flavam emittentibus. — *T. Todei Fr. syst. I.* 494. *T. filicina Dub. gall. II.* 760. *Clavaria chordostyla Pers myc. I.* 189. *Cl. filicina Pers. l. l. Mitrula Todei Fr. obs. I.* 160. *Chordostylum Clavaria Tod. mecl. I. II. t.* 6. *f.* 55.

Ad caules herbarum elatiorum putrescentes et ad stipites filicinos passim.

320. GEOGLOSSUM PERS. *Zungenträger.*

Ascoma clavaeforme erectum laevigatum hymenio undique aequaliterque ascophoro obductum, cum stipite sterili confluens. Asci elongati catenulati disjuncti.

(Geoglossum Pers. Lk. Nees. Fr. Fungi ophioglossoidei auct. vet.) Vegetabilia Clavariis affinia, colore tristi tamen et ascorum dispositione aliena.

2716. *?G. carneum Schultz*, ascomatibus compressis gracilibus carneis, stipite dilutiore. — *Schultz starg.* 486. *Fr. syst. I.* 490.

Ad vias sylvaticas in solo argillaceo agri stargard. (*Schultz.*) (Melius forsan pro Clavaria qualicunque ignobili sumendum.)

2717. *G. viscosum Pers.*, ascomatibus gracilibus viscosis tenuissime velutinis nigris, e stipite dilutiore sensim in clavulam teretem leviter incrassatis. — *Geoglossum viscosum Pers. comm.* 39., *syn.* 609. *Fr. syst. I.* 489.

In promontoriis graminosis passim. Auctumno.

2718. *G. viride Pers.*, ascomatibus subfascicularibus subunguinosis olivaceo-viridibus, e stipite tereti dilutiore squamuloso-ruguso sensim in clavam cylindricam obtusam simplicem partitamve aëneo-virentem desinentibus. — *Geoglossum viride Pers. comm.* 40., *syn.* 610. *Ditmar in Sturm germ. t.* 48. *Fr. syst. I.* 489. *Nees syst. f.* 158. *(lusus gracilior.) G. glutinosum Nees syst. f.* 149. *(t. ascomatibus solito magis unguinosis.) G. aeruginosum Kz. et Schm. myk. Hft. I.* 101. *(var. ascom. viridi-lutescente, siccando expallente.) G. atro-virens Kz. et Schm. l. l. (var. atro-virens subcoerulescens.) G. mitratum viride Holmsk. Clavaria viridis Schrad. Wallr. ann. bot.* 154. *Flor. dan. t.* 1258. *f.* 1. *Cl. serpentina Müll.*

In promontoriis sylvaticis pinguibus et udis, pro varia loci conditione, molem et proceritatem augens diminuensve et colorem mutans. Auctumno.

2719. *G. olivaceum Pers.*, ascomatibus glaber mis nitidis olivaceo-fuligineis, e basi incrassata in clav lam compressam obtusam sensim desinentibus, dem nigro-virentibus. — *O. olivaceum Pers. obs.* 40. t. 5. 7., *syn.* 610. *Fr. syst. I.* 489.

In similibus cum reliquis locis at parcius. Auctum

2720. *G. glutinosum Pers.*, ascomatibus glab e stipite glutinoso spadiceo-nigricante in clavulam l ceolatam nigram viscidulam desinentibus. — *G. glut sum Pers. et Fr. l. l.*

In vallibus promontor. nostratium udis. Auct.

2721. *G. difforme Fr.*, ascomatibus glabris s gregariis fuscis, e basi brevi dilutiore sensim in clav compressam conico-pyramidatam saturatiorem abeuntib *G. difforme Fr. l. l. G. pruniforme Wallr. in lit.*

In promont. graminosis Thuring. v. c. circa Heri gam, quo loco omnes inter se promiscue redeunt. Au

2722. *G. glabrum Pers.*, ascomatibus glabris s caespitosis, e basi squamulosa inferne dilutiore sens in clavam spadiceo-nigram desinentibus. — *G. glabr Pers. et Fr. l. l. Clavaria nigrita Schl. Cl. ophiogl soides L. Bull.t.* 372. *Bolt. t.* 111. *f.* 2. *Flor. dan.* 1076. *f.* 2. — *Mich. t.* 87. *f.* 4. *Vaill. bot. t.* 7. *f.* 1

In similibus locis. Auctumno.

2723. *G. sphagnophilum Ehrenb.*, ascomati glabris e basi tereti elongata atro-purpurea in clavul olivaceo-atram desinentibus. — *G. glabrum d. sphag philum Ehrenb. sylv.* 30.

In sphagnetis agri berol. (*Ehrenberg.*)

2724. *G. atro-purpureum Pers.*, ascomati glabris atro-purpureis, e basi squamulosa crassa in cl vam teretiusculam s. compressam, demum ventricos difformem desinentibus. — *G. atro-purpureum Pers. el II. t.* 3. *f.* 5., *syn.* 609. *Alb. et Schw.* 294. *Fr. syst.* 490. *G. purpurascens Pers. comm. Cl. mitrata Holms Cl. atro-purpurea Batsch elench. f.* 47.

In collibus graminosis rarius. Auctumno.

2725. *G. hirsutum Pers.*, ascomatibus subfasciculatis nigris, pilis brevibus densis patentibus undique hirsutis, e basi stipitiformi elata in clavam capitatam abrupte s. sensim incrassatis, subrotundis elongatisque. — *V. hirsutum Pers. syn.* 608. *Nees syst. f.* 157. *G. capitatum Pers. et auct. l. Grev. scot. t.* 185. *Fr. syst. l.* 488. *Clavaria atra Schrad. Cl. ophioglossoides Schmid. icon. t.* 25. *Schaeff. bav. t.* 327.

In promontoriis udis arenosis, in consortio Gentianae Amarellae passim. Auctumnō.

b. pterygoidei, ascomatibus e stipite nervoso in expansiones alares dilatatis.

321. SPATHULARIA PERS. *Spathelträger.*

Ascoma carnoso-membranaceum compressum verticale, utrinque in stipitem discretum decurrens, superne hymenio obductum. Asci elongati, sporidiis minimis elastice secedentibus foeti.

2726. *Sp. flavida Pers.*, ascomatibus gregariis, clavula pileata umbonata ovata s. inflata, stipite compressiusculo suffulta, primum pallida dein flavescente. — *Spathularia flavida Pers. comm.* 34., *syn.* 610. *Fr. syst. l.* 491. *Helvella spathulata Afzel. H. faritoria Bolt. t.* 97. *Elvela Batsch. Cl. spathulata Dicks. Flor. dan. t.* 538. *Schmid. icon. t.* 50.

Ad folia et muscos putres rarius. Auctumno.

2727. *Sp. rufa Nees*, ascomatibus sparsis, clavula obverse ovata margine undulata, fusco-rufa, in stipitem abrupte desinente. — *Spathularia rufa Nees syst f.* 156. *B. Pers. myc. I.* 198. *Schmid. icon. t.* 50. *f.* 1.

In pinetis udis agri erlang. (*Schmidel.*)

322. SPARASSIS FR. *Lappenträger.*

Ascoma carnosum, e basi crassa rapiformi ramices ex membranula duplici conferruminata, utrinque ascis

elongatis foeta laevi compositos, in verticem capitatum conglobatos exserens.

(*Clavariae et Elvellae sp. auct.*)

2728. *Sp. crispa Fr.*, ascomate carnoso pallide-flavente s. albente, e basi obesa rapiformi ramices ramiformes, inferne latescentes scrobiculato-rugosos in alios, margine praeter apices obtusos dentato-serratos partitos exserentibus illosque in capitulum crispato conglobatum colligentibus. — *Sparassis crispa Fr. syst. I.* 465. *Thelephora frondosa Pers. myc. I.* 110. *Clavaria crispa Wulff. in Jacq. misc. II.* 108. *t.* 14. *f.* 1. *Alb. et Schw. nisk.* 285. *Pers. myc. I.* 160. *Elvella ramosa Schaeff. t.* 161.

In campis abietinis siccioribus, v. c. Bavariae (*Schaeffer*), Lusatiae (*Albertini et Schweiniz*), et aliis suisque locis rarius. Auctumno. (Speciosa satis et deliciosissima.)

c. *merismoidei, ascomatibus ramosis, nisu ramis redintegrandi insignibus.*

823. CALOCERAS FR. *Hornträger.*

Ascoma cylindricum erectum simpliciter clavatum s. ramoso-partitum, basi in stipitem desinens, carnoso-gelatinosum, superne hymenio unguinoso obductum. Ad tenuissimi.

† *simplicia, ascomatibus simplicibus.*

2729. *C. glossoides Fr.*, ascomatibus sparsis s. gregariis subtremellosis flaventibus, e stipite tereti inferne nigricante in clavulam compressam ligulatam obtusam desinentibus. — *Calocera glossoides Fr. syst. I.* 487. *Tremella glossoides Pers. myc. I.* 107. *Clavaria glossoides Pers. comm.* 68., *syn.* 596.

Ad truncos quercinos passim. Auctumno.

†† *ramosa, ascomatibus ramosis.*

2730. *C. aculeiforme W.*, xylophilum, ascomatibus subcaespitose erumpentibus, e basi aequali saepius

connata in clavulas teretes simplices parceque ramosas aequales apice acutiusculas brevres corniculatas, ad axillas striatas desinentibus, humectis luteis viscido-gelatinosis, siccis corneis fragilibus aurantiacis nitidulis. — *Calocera cornea Fr. syst. I.* 486. *Tremella aculeiformis Pers. myc. I.* 106. *Clavaria cornea Batsch cont. I.* 161. *Flor. dan. t.* 2305. *f.* 2. *Pers. syn.* 596. *Cl. medullaris Holmsk. Cl. striata Hoffm. germ. III. t.* 7. *f.* 1. *nec Pers. (ceu lusus conicus, simplicior magisque striatus.) Cl. aculeiformis Bull. t.* 463. *f.* 4.

Ad ligna quercina fabrefacta putredine uda adgressa, vulgare. Auctumno. (Variat insigniter: ascomatibus simplicissimis, e basi distincta s. connata corniculatis, elongatis, rimulas ligni infarcientibus s. byssum circumcirca spargentibus (*var. d. Fr. l. l.*), nec non conicis iisque magis striatis.)

2731. *C. furcatum Fr.*, ascomatibus viscosis gracilibus teretibus lutescentibus, in ramos vagos furcatos acutos divulsis. — *Fr. syst. I.* 486. *Clavaria mucida Flor. dan. t.* 1305. *f.* 1.

Ad truncos abietinos Hercyn. super. rarius. Auct.

2732. *C. flammeum W.*, ascomatibus tenacibus viscosis vitellinis, e basi simplici penetrante tereti dilutiore in ramos ramulosque furcatos divulsis, raro in apicem truncatum cristatumque desinentibus. — *Cl. viscosa Pers. comm.* 53. *t.* 1. *f.* 5., *syn.* 594. *Fr. syst. I.* 486. *Merisma viscosum Spr. syst. IV.* 496. *Cl. gelatinosa Holmsk. Cl. aurea Ehrh. Cl. flammea et cornuta Schaeff. bav. t.* 174. 289.

Ad caudices putres muscosos abietinos, nec non in bryetis pinguibus pinetorum, v. c. Hercyn. minime raro.

324. CLAVARIA VAILL. *Keulenträger.*

Ascoma cylindricum erectum carnosum conforme ramosum s. ex nisu ramos redintegrandi simplex clavatum, cum basi stipitiformi sterili confluens, superne hymenio

concreto laevi, prope apicem ascis tenuibus (albis s. ochraceis) exstructo vestitum.

(*Clavaria Vaill. Mich. Pers. (excl. Typhula.) Lk. Fr. Coralloidis et Lycoperdi sp. Tournef.*) — Fungi carnosi edules, e basi simplici, sive in ramos tenuatos partiti, sive ex nisu redintegrandi simpliciter clavati, apicem versus incrassati.

† *simplices, ascomatibus simplicibus e basi tenuata, raro distincta sensim incrassatis, subclavatis.* (*Clavaria Spr. syst. veg.*)

2733. *Cl. nivea Humb.*; ascomatibus simplicissimis cylindricis uncialibus albis glabris apice attenuatis, basi fibrosa concolore sustentatis. — *Clavaria nivea Humb. frib.* 116. *Pers. coryph.* 219.

Ad terram nudam agri friberg. (*Humboldt.*)

2734. *Cl. falcata Pers.*, ascomatibus simplicibus solitariis cylindricis albis, e basi pellucida sensim incrassatis falcatis obtusis. — *Cl. falcata Pers. comm.* 81. *t.* 1. *f.* 3., *syn.* 604. *Alb. et Schw.* 291. *Cl. delicata Tod.*

Ad terram fagetorum umbrosorum. Auctumno.

2735. *Cl. uliginosa W.*, ascomatibus simplicissimis tenerrimis niveis farctis fragilibus, e basi nuda tenuata capillari in clarulam teretem obtusam desinentibus. — *Cl. uliginosa W. ann. bot.* 141.

In uliginosis in consortio Stellariae uliginosae Thuring. passim. Auctumno.

2736. *Cl. uncialis Grev.*, ascomatibus gregariis erectiusculis albis tenacellis laevibus, e basi tenuata glabra obtusis subclavatis. — *Cl. uncialis Grev. scot. t.* 93. *Fr. elench. I.* 232. *Cl. obtusa Pers. myc. I.* 190. *excl. syn.*

Ad caules herbarum elatiorum siccos in nemoribus rupestribus, v. c. montis vogesi (*Mougeot*), Hercyn. et alibi rarius.

2737. *C. juncea Fr.*, ascomatibus gregariis tenuibus subaequalibus flaccidis pallidis s. rufescentibus, bas

fibrillosa subrepentibus. — *Cl. juncea Fr. syst. I.* 479. *Cl. pilosa et virgultorum Pers. myc. Cl. hirta Flor. dan. t.* 1257. *Cl. fistulosa Bull. t.* 463. *Cl. triuncialis juncea Alb. et Schw. nisk.* 289. — *Mich. t.* 87. *f.* 5.

Inter folia decidua in nemoribus udis, auctumno.

2738. *Cl. fragilis Pers.*, ascomatibus caespitosis subsimplicibus fistulosis fragilissimis albis facile versicoloribus, e basi tenuata sensim clavatis, apice obtusis acutiusculisve. — *Cl. fragilis Fr. syst. I.* 484. *Cl. eburnea Pers. syn.* 603. *Cl. pistilliformis, vermicularis, gracilis et helvola γ. dispar Pers. myc.* — *Mich. gen. t.* 87. *f.* 6.

α. gracilis, ascom. subaequalibus s. sursum attenuatis. *Fr. l. l. Cl. fragilis Pers. comm. et syn. Cl. fistulosa Tod. Cl. gracilis Bolt. t.* 111. *f.* 1. — *Flor. dan. t.* 775. *f.* 2. *Cl. simplex Retz.*

β. cylindrica, ascom. obtusis turgidis, stipite tenui. *Fr. l. l. Cl. cylindrica Bull. t.* 463. *f.* 1. *Pers. comm.* 76. — *Vaill. bot. t.* 7. *f.* 5.

In ericetis graminosis vulgaris. Auctumno.

2739. *Cl. nigrita Pers.*, ascomatibus caespitosis fistulosis fragilibus laevibus nigrescentibus, e basi tenuata tereti in clavulam praelongam subcompressam desinentibus. — *Clavaria nigrita Pers. syn.* 604. *Fr. syst. I.* 483.

In promontoriis graminosis Thuring. (*Heyder.*)

2740. *Cl. rosea Dalm.*, ascomatibus gregariis simplicissimis solidis fragilibus glabris cylindricis, e basi tenuata albida in clavulam roseam, apice lutescentem abeuntibus. — *Clavaria rosea Dalm. Fr. obs. II.* 290. *t.* 5. *f.* 2., *syst. I.* 482.

In vepretis promontoriorum Thuring. semel. Auctumno.

2741. *Cl. fumosa Pers.*, ascomatibus caespitosis fragilibus laevibus subfistulosis flexuosis subsimplicibus e fuligineo-cinerascentibus. — *Cl. fumosa Pers. syn.* 602. *Fr. syst. I.* 483.

In fagetis ad terram passim. Auctumno.

2742. *Cl. striata Pers.*, ascomatibus caespit fistulosis longissimis flexuosis utrinque attenuatis compressis subfuligineis. — *Clavaria striata Pers.* 11. t. 3. f. 5. *Fr. syst. I.* 483.

In similibus cum praecedente locis, rarius. Auctum

2743. *Cl. fasciculata Vill.*, ascomatibus fa culato-caespitosis, mole et proceritate inaequalibus far subfragilibus cylindricis, e basi subaequali in apicem tiusculum productis luteis. — *Clavaria inaequalis elench. I.* 231.

α. inaequalis, ascom. difformibus acutis. — *Cl. aequalis β. Fr. l. l. Cl. inaequalis Fr. syst. I.* 481. *vermiculata Sowerb. t.* 253. *Cl. bifurca Bull. t.* 364. *inaequalis Flor. dan. t.* 873. *Cl. fasciculata Vill.*

β. angustata, ascom. praelongis angustatis deor flexuosis. *Fr. l. l. Cl. angustata Pers. l. l. Cl. hel var. teres Baumg. lips. Cl. helvola Fr. l. l. Cl. sim cissima Willd.*

γ. fusiformis, ascom. incurvis, apicem versus sen incrassatis. *Fr. l. l. Cl. fusiformis Fr. syst. I. Sowerb. t.* 224. *Cl. fasciculata Pers. Cl. pistill Bolt. t.* 110.

δ. aurantiaca, ascom. subcompressis aurantiacis, villosis. *Fr. l. l. Cl. aurantiaca Bull. t.* 463. *Pers.* 598. *Fr. syst. I.* 482.

In vepretis promontor. nostratium passim. Auctum

2744. *Cl. flavipes Pers.*, ascomatibus caespit fragilibus, e basi laete flavente implexa in clavulum liudricam albido-pallescentem opacum subpruinosam curvam desinentibus. — *Cl. flavipes Pers. comm.* 75 1. *f.* 4., *syn.* 602. *Alb. et Schw. nisk.* 290. *Fr. syst. I.*

In versuris graminosis rarius. Auctumno.

2745. *Cl. bulbosa Schum.*, ascomatibus gregar e basi stipitiformi distincta inferne inflata tenacella berrima rufescente tenuata abrupte in clavam aurant

cum apice obtusam duplo longiorem incrassatis. — *Cl. stipitata W. in lit. Cl. bulbosa Schum. saell. II.* 405., *quam quidem Friesius in syst. inter dubias, in elench. sub Cl. inaequali recenset, in literis pro hac agnovit.*

In betuletis udis sterilibus glareosis agri heriogens. Thuring., in consortio Baeomycis rosei. Auctumno. (Stipes Polytrichi setam ferme aemulatur.)

2746. *Cl. anomala Pers.*, ascomatibus connato-caespitosis clavulas simplices fusiformes incarnatas dein expallentes, ramorum instar spargentibus. — *Cl. anomala Pers. comm.* 73. *Fr. syst. I.* 480. *Cl. sylvestris Pers. l. l. Cl. digitella Schaeff. bav. t.* 326.

Ad radices Quercuum putrescentes passim. Auctumno.

2747. *Cl. fistulosa Holmsk.*, ascomatibus gracilibus strictis glabris longissimis fistulosis aequalibus flavis s. pallide-rufescentibus, basi villosa infixis. — *Cl. fistulosa Holmsk. fl. dan. t.* 1256. *Fr. syst. I.* 479. *Cl. pilipes Vahl fl. dan. t.* 1100. *f.* 3. *Pers. syn.* 599. *Cl. strigosa Schum.*

Ad ramulos aliasque quisquilias humi jacentes rarius. Auctumno.

2748. *Cl. Ardenia Pers.*, epixyla, ascomatibus e basi tomentosa in clavulam cavam longissimam rufescentem s. spadiceum sursum incrassatis. — *Cl. Ardenia Pers. syn.* 599. *Fr. syst. I.* 478. *Sowerb. t.* 215.

Ad ramulos Coryli et Tiliae putres rarius. Auctumno.

2749. *Cl. argillacea Pers.*, ascomatibus subcaespitosis, e basi distincta glabra nitente discolore flavente in clavulam obtusam subcompressam alutaceo-pallidam incrassatis. — *Cl. argillacea Pers. comm.* 74. *Cl. ericetorum Pers. syn.* 600. *Necs syst. f.* 155. *Geoglossum argillaceum Fr. obs.* — *Schmid. icon. t.* 15.

In ericetis sterilibus passim.

2750. *Cl. Ligula Schaeff.*, ascomatibus gregariis polymorphis laxe farctis, e basi villosa in clavam oblon-

2742. *Cl. striata Pers.*, ascomatibus caespitosis fistulosis longissimis flexuosis utrinque attenuatis subcompressis subfuligineis. — *Clavaria striata* Pers. *icon.* 11. t. 3. *f.* 5. *Fr. syst. I.* 483.

In similibus cum praecedente locis, rarius. Auctumno.

2743. *Cl. fasciculata Vill.*, ascomatibus fasciculato-caespitosis, mole et proceritate inaequalibus farctis subfragilibus cylindricis, e basi subaequali in apicem acutiusculum productis luteis. — *Clavaria inaequalis Fr. elench. I.* 231.

α. inaequalis, ascom. difformibus acutis. — *Cl. inaequalis β. Fr. l. l. Cl. inaequalis Fr. syst. I.* 481. *Cl. vermiculata Sowerb. t.* 253. *Cl. bifurca Bull. t.* 364. *Cl. inaequalis Flor. dan. t.* 873. *Cl. fasciculata Vill.*

β. angustata, ascom. praelongis angustatis deorsum flexuosis. *Fr. l. l. Cl. angustata Pers. l. l. Cl. helvola var. teres Baumg. lips. Cl. helvola Fr. l. l. Cl. simplicissima Willd.*

γ. fusiformis, ascom. incurvis, apicem versus sensim incrassatis. *Fr. l. l. Cl. fusiformis Fr. syst. I.* 480. *Sowerb. t.* 224. *Cl. fasciculata Pers. Cl. pistillaris Bolt. t.* 110.

δ. aurantiaca, ascom. subcompressis aurantiacis, basi villosis. *Fr. l. l. Cl. aurantiaca Bull. t.* 463. *Pers. syn.* 598. *Fr. syst. I.* 482.

In vepretis promontor. nostratium passim. Auctumno.

2744. *Cl. flavipes Pers.*, ascomatibus caespitosis fragilibus, e basi laete flavente implexa in clavulam cylindricam albido-pallescentem opacam subpruinosam incurvam desinentibus. — *Cl. flavipes Pers. comm.* 75. *t.* 1. *f.* 4., *syn.* 602. *Alb. et Schw. nisk.* 290. *Fr. syst. I.* 484.

In versuris graminosis rarius. Auctumno.

2745. *Cl. bulbosa Schum.*, ascomatibus gregariis, e basi stipitiformi distincta inferne inflata tenacella glaberrima rufescente tenuata abrupte in clavam aurantia-

cam apice obtusam duplo longiorem incrassatis. — *Cl. stipitata W. in lit. Cl. bulbosa Schum. saell. II.* 405., *quam quidem Friesius in syst. inter dubias, in elench. sub Cl. inaequali recenset, in literis pro hac agnovit.*

In betuletis udis sterilibus glareosis agri heriogens. Thuring., in consortio Baeomycis rosei. Auctumno. (Stipes Polytrichi setam ferme aemulatur.)

2746. *Cl. anomala Pers.*, ascomatibus connato-caespitosis clavulas simplices fusiformes incarnatas dein expallentes, ramorum instar spargentibus. — *Cl. anomala Pers. comm.* 73. *Fr. syst. I.* 480. *Cl. sylvestris Pers. l. l. Cl. digitella Schaeff. bav. t.* 326.

Ad radices Quercuum putrescentes passim. Auctumno.

2747. *Cl. fistulosa Holmsk.*, ascomatibus gracilibus strictis glabris longissimis fistulosis aequalibus flavis s. pallide-rufescentibus, basi villosa infixis. — *Cl. fistulosa Holmsk. fl. dan. t.* 1256. *Fr. syst. I.* 479. *Cl. pilipes Fahl fl. dan. t.* 1100. *f.* 3. *Pers. syn.* 599. *Cl. strigosa Schum.*

Ad ramulos aliasque quisquilias humi jacentes rarius. Auctumno.

2748. *Cl. Ardenia Pers.*, epixyla, ascomatibus e basi tomentosa in clavulam cavam longissimam rufescentem s. spadiceam sursum incrassatis. — *Cl. Ardenia Pers. syn.* 599. *Fr. syst. I.* 478. *Sowerb. t.* 215.

Ad ramulos Coryli et Tiliae putres rarius. Auctumno.

2749. *Cl. argillacea Pers.*, ascomatibus subcaespitosis, e basi distincta glabra nitente discolore flavente in clavulam obtusam subcompressam alutaceo-pallidam incrassatis. — *Cl. argillacea Pers. comm.* 74. *Cl. ericetorum Pers. syn.* 600. *Necs syst. f.* 155. *Geoglossum argillaceum Fr. obs. — Schmid. icon. t.* 15.

In ericetis sterilibus passim.

2750. *Cl. Ligula Schaeff.*, ascomatibus gregariis polymorphis laxe farctis, e basi villosa in clavam oblon-

gam, apice obtusam truncatamve desinentibus, primum luteolis, dein pallide-rufescentibus spongiosis fragilibus. — *Cl. Ligula Fr. syst. I. 477. coque interprete: Cl. lutcola Pers. syn. 598. Cl. caespitosa Wulff. Flor. dan. t. 837. f. 1. Schmid. ic. t. 5. fig. super. ceu aetates juniores. — C. Ligula Schaeff. t. 171. Schmid. l. l. fig. infer. Pers. com. 65. Cl. pistillaris Schrank. ceu aet. ad ultae. — Cl. cochleariformis Schum. ceu monstrum complanatum, apice fissum. — Vaill. bot. t. 8. f. 3.*

In campis abietinis satis vulgaris. Aestate.

2751. *Cl. pistillaris L.*, ascomatibus solitariis elatis glaberrimis carnosis farctis tenacellis, e basi cylindrica robusta abrupte in clavam obtusam subcapitatam incrassatis, raro utrinque aequalibus, primum dilute fuscis, dein rufescentibus. — *Cl. pistillaris L. Schaeff. bav. t. 169. 170. Batsch elench. f. 46. Bull. t. 244. Flor. dan. t. 1253. Pers. syn. 597. Schmid. ic. t. 4. Fr. syst. l. 477. Buxb. hal. 132. cum icon. Mich. gen. t. 87. f. 1.*

In fagetis, potissimum in solo calcareo, v. c. Thuring. haud quidem rara. Auctumno. (Neque minus polymorpha: plerumque e basi cylindrica abrupte clavata, obovata, subcapitata ficus instar, ibique nonnisi dehiscens (*var. b. major Fr. l. l. Cl. herculana Holmsk.*), rarius a basi inde aequaliter producta, spithamea, digiti crassioris molem et longitudinem aequans.)

2752. *Cl. rugosa Bull.*, ascomatibus subsimplicibus polymorphis, apicem versus saepius inaequaliter in ramos conformes obtusos partitis tenacibus rugosis albidis. — *Cl. rugosa Bull. t. 448. f. 2. Pers. syn. 594. comm. t. 2. f. 4. Flor. dan. t. 1301. Fr. syst. I. 473. Cl. elegans Bolt. t. 115. Cl. coralloides Sowerb. t. 278. Cl. damaecornis Schrank. Cl. laciniata Schaeff. bav. t. 291. — Vaill. bot. t. 8. f. 2. Mich. t. 88. f. 5.*

In ericetis udis rarius. Auctumno.

†† *ramosae, ascomatibus erectis, e basi aequali s. inaequali in ramulos dichotomos s. cristatos divisis.* (*Merisma Spr. syst. IV.* 495.)

cum apice obtusam duplo longiorem incrassatis. — *Cl. stipitata W. in lit. Cl. bulbosa Schum. saell. II.* 405., *quam quidem Fries in syst. inter dubias, in elench. sub Cl. coarctali recenset, in literis pro hac agnovit.*

In betuletis adis sterilibus glareosis agri heriogens. Thuring., in consortio flaccumycis rosei. Auctumno. (Stipes Polytrichi setam ferme aemulatur.)

2746. *Cl. anomala Pers.*, ascomatibus connato-caespitosis clavulas simplices fusiformes incarnatas dein expallentes, ramorum instar sparsentibus. — *Cl. anomala Pers. comm.* 73. *Fr. syst. I.* 480. *Cl. sylvestris Pers. l. l. Cl. digitella Schaeff. bav. t.* 326.

Ad radices Quercuum putrescentes passim. Auctumno.

2747. *Cl. fistulosa Holmsk.*, ascomatibus gracillimis strictis glabris longissimis fistulosis aequalibus flavis s. pallide-rufescentibus, basi villosa infixis. — *Cl. fistulosa Holmsk. fl. dan. t.* 1256. *Fr. syst. I.* 479. *Cl. pilipes Vahl fl. dan. t.* 1100. *f.* 3. *Pers. syn.* 599. *Cl. strigosa Schum.*

Ad ramulos aliasque quisquilias humi jacentes rarius. Auctumno.

2748. *Cl. Ardenia Pers.*, epixyla, ascomatibus e basi tomentosa in clavulam cavam longissimam rufescentem s. spadiceam sursum incrassatis. — *Cl. Ardenia Pers. syn.* 599. *Fr. syst. I.* 478. *Sowerb. t.* 215.

Ad ramulos Coryli et Tiliae putres rarius. Auctumno.

2749. *Cl. argillacea Pers.*, ascomatibus subconfertis, e basi distincta glabra nitente discolore flavente in clavulam obtusam subcompressam alutaceo-pallidam incrassatis. — *Cl. argillacea Pers. comm.* 74. *Cl. ericetorum Pers. syn.* 600. *Neue syst. f.* 155. *Geoglossum argillaceum Fr. obs. — Schmid. icon. t.* 15.

In ericetis sterilibus passim.

2750. *Cl. Ligula Schaeff.*, ascomatibus gregariis polymorphis laxa fasciis, e basi villosa in clavam oblon-

2758. *Cl. subtilis Pers.*, ascomatibus strictis albo-pallescentibus, e basi simplici elongata in ramos subaequales obtuse-dichotomos divulsis, ramulis extremis brevissimis obtusis, aliis divergentibus, aliis lunulato-inflexis. — *Cl. subtilis Pers. comm.* 183., *syn.* 592. *Fr. syst. I.* 475.

Ad terram macram fagetorum passim. Auctumno.

2759. *Cl. gracilis Pers.*, ascomatibus albo-pallescentibus flaccidis, e basi gracili simplici in ramos multifidos aequales subincarnatos divulsis. — *Cl. gracilis Pers. l. l. Fr. syst. I.* 475.

In pinetis Hercyn. super., rarius. Auctumno.

2760. *Cl. corniculata Schaeff.*, ascomatibus sparsis luteis, e basi simplici gracili bi-terve furcato-ramosis, ramulis elongatis subcompressis attenuatis divergentibus acutis obtusisve. — *Clavaria corniculata Schaeff. t.* 173. *Pers. syn.* 588. *Nees syst. f.* 152. *Fr. syst. I.* 471. *Cl. furcata Pers. comm.* 184. *Cl. muscoides L. Fl. dan. t.* 775. *f.* 2.

In lucis promontoriorum graminosis passim. Aestate.

2761. *Cl. pratensis Pers.*, ascomatibus depressis caespitosis subunguinosis luteis, e basi simplici brevi curta multipliciter ramosis, ramis brevibus divaricatis confertis subfastigiatis, alios ramulos brevissimos obtusos emittentibus. — *Clavaria pratensis Pers. comm.* 51. *t.* 4. *f.* 5., *syn.* 590. *Fr. syst. I.* 471. *Cl. vitellina Pers. myc. Cl. fastigiata Bull. t.* 358. *f. D. Cl. muscoides Flor. dan. t.* 836. *f.* 2.

In promontoriis apricis, v. c. Thuring., utplurimum in consortio Gentianae Amarellae, passim. Auctumno. (Satis polymorpha; coram enim sunt formae simplices, cristatae, pyxidatae, fastigiato-confertimque ramosae, omnes tamen habitu brevi et constipato insignes.)

2762. *Cl. cristata Pers.*, ascomatibus caespitosis tenacibus glabris albidis, dein faligineo-lutescentibus polymorphis, nunc e basi simplici in apicem truncatum

" *leptocaulae, ascomatum ramis cum basi subaequalibus, nonnisi in simplices s. apice cristatos desinentibus.* (*Cl. tribus Ramariae Fr.*)

2753. *Cl. mucida Pers.*, ascomatibus subgregariis tenuibus subcarnosulis simplicibus s. a basi inde vage ramosis albidis, siccando pallentibus. — *Cl. mucida Pers. comm.* 55. *t.* 2. *f.* 2., *syn.* 595. *Fr. syst. I.* 476. *Cl. pallida Flor. dan. t.* 1376.

Ad caudices arborum putres, nec non in terra vicina passim. Aestate pluvia.

2754. *?Cl. byssiseda Pers.*, ascomatibus polymorphis, primum villoso-byssinis, dein glabrescentibus ramulisque pallide-rufescentibus, basin hyphoideam spargentibus. — *Cl. byssiseda Pers. comm. t.* 3. *f.* 7., *syn.* 593. *Fr. syst. I.* 476. *Ramaria byssiseda Holmsk.*

Ad truncos quercinos putres passim.

2755. *Cl. carnea W.*, ascomatibus angustissimis fasciculisque cylindricis tenuicellis carneis, a basi inde in ramos conformes dichotomos divulsis, ramulis extremis acutissimis bi-trichotomis flexuosis elongatis, raro simplicibus.

Ad caudices quercinos muscosos Thuring. Autumno. (*Isaria spiculosa fl. cr. II.* 309. fere refert, glabritie tamen recedit.)

2756. *Cl. Macropus Pers.*, ascomatibus gracilibus albentibus dein pallentibus, e basi tenui elongata conformiter dichotomo-ramosis, ramis in ramulos extremos furcatos subulato-apiculatos subaequales desinentibus. — *Cl. Macropus Pers. comm.* 51. *t.* 1. *f.* 2., *syn.* 593. *Fr. syst. I.* 475.

Ad terram fagetorum umbrosorum passim. Auct.

2757. *Cl. crocea Pers.*, ascomatibus exiguis fasciculo croceis, e basi subsimplici pallida in ramos congestos conformiter ramulosos subfurcatos abeuntibus. — *Cl. crocea Pers. icon.* 36. *t.* 11. *f.* 6., *syn.* 595. *Fr. syst. I.* 472.

Ad terram fagetorum, rarissime. Auct.

rufescentibus, e basi depressa in ramos plurimos tortuosos divulsis, ramulis subverticillatis in extremitates similiter apiculatas dilatatis. — *Cl. pyxidata Pers.* comm. t. 1. *f.* 1., *syn.* 586. *Flor. dan. t.* 1304. *f.* 1. *Fr. syst. I.* 470.

Ad caudices abietinos passim. Auctumno.

2767. *Cl. Kunzei Fr.*, ascomatibus caespitosis candidis, a basi stricta tenacella profunde divisa inde in ramos confertissimos plurimos graciles repetito-furcatos subfastigiatos, axillis compressos desinentibus. — *Cl. Kunzei Fr. syst. I.* 474. *Cl. chionea Pers. myc.*

Ad terram nudam nemorum Thuring. passim.

2768. *Cl. abietina Pers.*, ascomatibus gregariis obscure ochraceis, siccando sordide-olivaceis, e basi brevi crassiuscula byssoidea alba ramosissima in ramos strictos confertos subaequales, ramulis brevibus acuminatis terminatos desinentibus, arbusculam corymbosam mentientibus. — *Cl. abietina Pers. comm.* 46., *syn.* 588. *Alb. et Schw. nisk.* 286. *Fr. syst. I.* 469. *Merisma abietinum Spr. syst.*

In campis abietinis, Hercyn. v. c. superioris minime raro. Auctumno.

2769. *Cl. succica Fr.*, ascomatibus e basi obesa decumbente albido-byssoidea ramosissimis mollibus, primum dilute-incarnatis, dein pallido-alutaceis, ramis laxis distantibus, ramulos acutos emittentibus caespitemque pyramidatum formantibus. — *Cl. succica Fr. syst. I.* 469. *Merisma succicum Spr. syst. Cl. rubella Schaeff. t.* 177. *(juvenis.)*

In iisdem cum praeced. locis, v. c. Hercyn. super. passim. (*Wallr.*) Auct.

2770. *Cl. stricta Pers.*, ascomatibus e basi obesa fibrillis sustentata alba, ramulos plurimos adscendentes confertissimos colligentibus caespitemque pyramidatum stipatum constituentibus. — *Cl. stricta Pers. comm.* 45. *t.* 4. *f.* 1., *syn.* 588. *Flor. dan. t.* 1302. *Fr. syst. I.* 468. *Cl. pallida Schaeff. t.* 286. *Merisma strictum Spr. syst.*

Ad arborum truncos exesos passim. Auctumno.

2771. *Cl. coralloides L.*, ascomatibus e basi carnosa producta ramosis albis erectis, caespitem ovalem constituentibus. — *Cl. coralloides L. Fr. syst. I.* 467. *Cl. Holmskioldii Fr. obs. Cl. Arbuscula Scop. Cl. alba Pers. myc. Merisma coralloides et Holmsk. Spr.*

In fagetis udis editioribus post imbres continuos rarius, vix nisi aestate calida emergens.

** *macrocaulae, ascomatibus e basi obesa carnosa, veluti truncum proprium praestante, ramos plurimos, superne in comam comprehensos emittentibus. (Cl. botryoideae Nees. Fr. Cl. coralloideae Pers. Cl. crassicaules Alb. et Schw.)*

2772. *Cl. spinulosa Pers.*, ascomatibus ramosissimis, e basi crassa glabra pallidiore, ramos strictos attenuatos subcinnamomeos emittentibus, ramulis subulato-spinulosis. — *Cl. spinulosa Pers. obs. II.* 59. *t.* 3. *f.* 1., *syn.* 587. *Fr. syst. I.* 468.

In fagetis campestribus patruis rarius. Aestate.

2773. *Cl. grysea Pers.*, ascomatibus ramosissimis, e basi crassa albida ramos rugosos sensim attenuatos, apice obtusos inaequales dilute-cinerascentes, dein ascis brunneo-rufis tectos emittentibus. — *Clavaria grisea Pers. l. l. Fr. l. l.*

In iisdem cum praecedente locis, rarius. Aestate.

2774. *Cl. flava Pers.*, ascomatibus ramosissimis, e basi crassa alba carnosa, ramos teretes rectos in comam fastigiatos implexos flavos fragiles emittentibus. — *Cl. flava Pers. l. l. Cl. dichotoma Pers.* — *Fr. syst. I.* 467. *Cl. flava, flavescens et aurea Schaeff. t.* 175. 285. 287. *Cl. coralloides Bull. t.* 122. *Cl. fastigiata L.*

In fagetis caeduis vulgaris. Aestate.

2775. *Cl. formosa Fr.*, ascomatibus e basi subdecumbente albida subventricosa in ramos strictos elongatos aurantio-roseos, ramulis subfastigiatis flavescentibus coronatos protensis. — *Cl. formosa Fr. syst. I.* 466.

Cl. coralloides Pers. l. l. et auct. Cl. fastigiata Batsch elench. f. 48.

In nemoribus caeduis patruis rarius. Aestate.

2776. *Cl. Botrytis Pers.*, ascomatibus e basi decumbente crassissima obesa carnosa, nunc in ramices cristatos difformes deliquescentibus, nunc in ramos breves rugosos strictiores productiores albos s. incarnato-lutescentes, apice rubentes desinentibus. — *Clavaria Botrytis Pers, comm.* 42., *syn.* 587. *Necs syst. f.* 150. *Flor. dan. t.* 1303. *Fr. syst. I.* 466. *Cl. rubescens Schaeff. t.* 288. *Cl. plebeja Wulff. Cl. acroporphyria Schaeff. t.* 176. *Cl. coralloides Scop. et auct. med. aet.*

In fagetis patruis vulgaris. Aestate calida.

γ. mitrati, ascomatibus capitatis s. mitratis, hymenio supero nudo persistente, ascis subfixis clavatis amplis foeto vestitis, limbo inflexo, veluti inverse capulato, patulo s. connato, stipitem transmittentibus s. comprehendentibus, intus sublusque cavis nudis. (Hymenomycetes uterini s. elvellacei, mitrati. Fr. Clavariae mitratae Necs. Helvelloidei Sw. Helvellae Brong.)

825. DITIOLA FR. *Nagelschwamm.*

Ascoma primum velo floccoso fugaci tectum, dein crumpens, e basi saepius penetrante s. cubilia perreptante in stipitem assurgens, vertice hemisphaerico-capitato apertum discoideo-orbiculatum, hymenio primum concreto laevi, dein gelatinoso corrugato-plicato, ascis tenerrimis fixis, sporidia ovata continentibus foeto, limbum ambientem reclinante obductum, immarginatum.

(Ditiola Fr. Pezizae, Helvellae, Tremellae, Leotiae et Helotii sp. auct. Tubercullariae sp. Tode.) — Neque genus, neque species a *Friesio* receptae, certo patent.

2777. *?D. paradoxa Fr.*, ascomatibus e basi angusta adpressa abrupte dilatatis lateritio-fuscis tuberculato-rimosis aggregatis, dein inter se secedentibus plurisque acervulos segregatos mentientibus. — *Ditiola para-*

2771. *Cl. coralloides L.*, ascomatibus e basi carnosa producta ramosis albis erectis, caespitem ovalem constituentibus. — *Cl. coralloides L. Fr. syst. I.* 467. *Cl. Holmskioldii Fr. obs. Cl. Arbuscula Scop. Cl. alba Pers. myc. Merisma coralloides et Holmsk. Spr.*

In fagetis udis editioribus post imbres continuos rarius, vix nisi aestate calida emergens.

** *macrocaulae, ascomatibus e basi obesa carnosa, veluti truncum proprium praestante, ramos plurimos, superne in comam comprehensos emittentibus. (Cl. botryoideae Nees. Fr. Cl. coralloideae Pers. Cl. crassicaules Alb. et Schw.)*

2772. *Cl. spinulosa Pers.*, ascomatibus ramosissimis, e basi crassa glabra pallidiore, ramos strictos attenuatos subcinnamomeos emittentibus, ramulis subulato-spinulosis. — *Cl. spinulosa Pers. obs. II. 59. t. 3. f. 1., syn. 567. Fr. syst. I. 468.*

In fagetis campestribus patruis rarius. Aestate.

2773. *Cl. grisea Pers.*, ascomatibus ramosissimis, e basi crassa albida ramos rugosos sensim attenuatos, apice obtusos inaequales dilute-cinerascentes, dein sacis brunneo-rufis tectos emittentibus. — *Clavaria grisea Pers. l. l. Fr. l. l.*

In fagetis cum praecedente locis, rarius. Aestate.

2774. *Cl. flava Pers.*, ascomatibus ramosissimis, e basi crassa alba carnosa, ramos teretes rectos in comam fastigiatos implexos flavos fragiles emittentibus. — *Cl. flava Pers. l. l. Cl. dichotoma Pers. — Fr. syst. I. 467. Cl. flava, flavescens et aurea Schaff. t. 175. 285. 287. Cl. coralloides Bull. t. 122. Cl. fastigiata L.*

In fagetis caeduis vulgaris. Aestate.

2775. *Cl. formosa Fr.*, ascomatibus e basi subdecumbente albida subventricosa in ramos strictos elongatos serratio-rosseos, ramulis subfastigiatis flavescentibus coronatos protensis. — *Cl. formosa Fr. syst. I. 466.*

tuberculiformibus, extus tenuiter villosis albidis, dein e basi curta cubilia perreptante subsessili abrupte in capitulum depressum fulvum, ambitu undulato-lobatum dilatatis, sulcatis, crucibuliformibus. — *Ditiola sulcata Fr. syst. I.* 172. *Tuberularia sulcata Tod. mecl. I.* 21. *t.* 4. *f.* 34. *Fungus astroites Scop. subterr.* 117. *t.* 45. *f.* 2.

Ad truncos vetustos cariosos salignos, e rimis erumpens, in agro meclenb. (*Tode.*) Hyeme.

326. MITRULA FR. *Haubenschwamm.*

Ascoma carnosum ovatum laeve undique ascophorum, basi stipitem discretum arcte ambiens. Asci elongati. (*Leotiae sp. Pers. Helvellae sp. auct.*) Generis notio nondum satis liquet.

2781. *M. paludosa Fr.*, ascomatibus gregariis fragilibus glabris cavis, clavula obtusa lutea, stipite elato albo-flavescente. — *Mitrula paludosa Fr. syst. I.* 491. *Mitrula phalloides Chev. par. Dub. gall. Helvella Bulliardi DC. Leotia uliginosa Pers. myc. I.* 200. *L. Ludwigii, Dicksoonii, Bulliardi, laricina Pers. syn.* 611. *Alb. et Schw. nisk.* 296. *Flor. dan. t.* 1377. *Helvella laricina Vill. Clavaria epiphylla Dicks. cr. III.* 22. *t.* 9. *f.* 18. *Cl. phalloides Bull. t.* 463. *f.* 3.

Ad folia putrida in paludosis passim. Auctumno.

327. VIBRISSEA FR. *Schleuderschwamm.*

Ascoma capitatum, stipite centrali suffultum, supra hymenio primum laevi, dein ex ascis paraphysibusque inditis transfusis fugacibus velutino vestitum, subtus nudum.

2782. *V. truncorum Fr.*, ascomatibus capitatis hemisphaericis, primum aureis, dein fusco-aurantiis, stipite tereti albido farcto, demum glauco-nigricante cavo. — *Vibrissea truncorum Fr. syst. II.* 31. *Leotia truncorum Alb. et Schw. nisk.* 297. *t.* 3. *f.* 2. *L. Clavus Pers. myc. I.* 200. *t.* 11. *f.* 9.

Ad ligna in locis paludosis putrescentia, v. c. Lau-

tiae super. (*Alb. et Schw.*), tractus rhenan. (*Kneiff*), Hercyn. super. (*Wallr.*) et alibi rarius.

828. VERPA SW. *Eichelschwamm.*

Ascoma carnoso-membranaceum clavato-pileatum, stipite centrali distincto suffultum, supra hymenio laevi s. corrugato persistente, ascis fixis foeto colorato vestitum, subtus concavum laeve liberum.

(*Verpa Sw. in Vet. Acad. Handl.* 1815. *p.* 129. *Pers. myc. Fr. Leotiae et Helvellae sp. auct. Mitrulae sp. Fr.*)

2783. *H. ferruginea W.*, ascomatibus exiguis conicis s. ovatis obtusis ferrugineis laevibus gregariis, stipite tenacello setiformi flexuoso fusco-nigricante asperulo. — *Geoglossum cucullatum Fr. elench. I.* 233. *Mitrula (Heyderia) Abietis Fr. syst. I.* 493. *Leotia Mitrula Pers. syn.* 611. *Alb. et Schw.* 295. *Mitrula Heyderi Pers. disp.* 36. *t.* 3. *f.* 12. *Flor. dan. t.* 1670. *f.* 2. *Clavaria ferruginea Sowerb. t.* 84. *Elvella cucullata Batsch cont. I. f.* 132.

Ad folia abietina delapsa in vallibus udis passim. Auct.

2784. *V. conica Sw.*, ascomatibus campanulato-conicis acutis laevibus fuscis, margine subsinuatis, subtus stipiteque tereti aequali flavis. — *Verpa conica Sw. l. l.* 131. *Pers. myc. I.* 204. *Fr. syst. II.* 24. *Leotia conica Pers. syn.* 613. *Phallus conicus Flor. dan. t.* 654. *Timm. megap.* 263.

In collibus nemorosis ducat. megapol. pr. Malchin. (*Timm.*) Auctumno.

2785. *V. digitaliformis Pers.*, ascomatibus campanulatis digitaliformibus rugulosis umbrinis, stipite cylindrico cavo aequali, extus rugis transversis undulato pallido. — *Verpa digitaliformis Pers. myc. I.* 202. *t.* 7. *f.* 1–3. *Fr. syst. II.* 24.

In ditione neocomensi primum a *Chaillетio* repertam, in collibus graminosis agri badensis rarissimam legit *Kneiffius* amicus. Auctumno.

829. LEOTIA HILL. *Kappenschwamm.*

Ascoma subtremellosum pileatum stipite centrali suffultum, orbiculare, limbo revoluto connatum s. liberum patens, supra margineque hymenio persistente, ascis fixis clavato-cylindricis foeto eoque unguinoso aequaliter obductum.

(*Leotia Hill. ex emdt. Fr. Helvellae sp. auct.*)

† *cucullata, ascomatibus tenaciter carnosis persistentibus, a stipite liberis.* (*Leotiae cucullariae Fr.*)

2786. *L. circinans Pers.*, ascomatibus circinatim gregariis, pileo carnoso convexo subrotundo, primum laevi, dein undulato, sicco tuberculato, humecto unguinoso, margine involuto plicas tendineas paucas ad stipitem fistulosum crassum teretem pallidum albo-pulverulentum decurrentes emittente. — *Leotia circinans Pers. comm.* 31., *icon.* 16. *t.* 5. *f.* 5–7., *syn.* 612. *Fr. syst. II.* 27. *Alb. et Schw. nisk.* 297. *Helotium circinans Sc. Helvella revoluta Wahlenb. upsal.* 464.

In pinetis editioribus muscosis passim.

†† *clavatae, ascomatibus tremellinis facile caducis clavato-capitatis, margine adnato decurrentibus.* (*L. Hygromitrae Fr. Tremellae Hygromitrae Nees. L. cucullariae Pers. myc.*) — Deflectunt ad Hymenom. hypodochios, nec a Tremellis figurae ratione longe distant.

2787. *L. atro-virens Pers.*, ascomatibus gregariis pusillis subcarnosis atro-virentibus, stipite nitido-virente dilutiore, e basi tenuata sensim incrassato inque pileum depressum angustum atro-viridem nitidulum abeunte. — *Leotia atro-virens Pers. myc. I.* 202. *t.* 9. *f.* 1–3. *Tr. syst. II.* 30. *Helotium atrovirens Spr. syst.*

In monte vogeso. (*Mougeot.*) Auctumno.

2788. *L. lubrica Pers.*, ascomatibus gregariis tremellinis, pileo tumido repando lubrico flavo-virente, margine inflexo tumido decursive connato, stipite cavo subaequali furfuraceo-gleboso flavo intus cavo, latice fluxo

scatente. — *Leotia lubrica Fr. syst. II.* 29. *Pers. syn.* 613. *L. gelatinosa Hill. Helvella gelatinosa Bull. t.* 473. *f.* 2. *H. lutea Berg. Elvella lubrica Scop.* — *Vaill. bot. t.* 11. *f.* 7.

α. lacunosa, pileo tenui deflexo plano-lacunoso. *Fr. l. l. Helvella flavo-virens Nees syst.* 176. *f.* 162. *Mart. erl.* 402.

β. umbonata, pileo plano-convexo subumbonato undulato-tuberculoso. *Fr. l. l. Pers. myc. t.* 9. *f.* 4–7 *Merulius lubricus Schum.*

γ. laevis, pileo subrotundo laevi. *Fr. l. l. Phallus lubricus Flor. dan. t.* 719.

δ. revoluta, pileo depresso laevi. *Fr. l. l. Hygromitra tremula Nees syst. f.* 144. *B. Clavaria tremula Holmsk. Peziza Cornucopiae Hoffm. veg. cr. II.* 21. *t.* 6. *f.* 1. *Helvella revoluta Afzel.*

In vallibus udis, humectis promontor. patruorum, var. α. agri erlangensis (*Küttlinger,*); β. Hercyn. infer. rarius.

880. MORCHELLA DILL. *Morchelschwamm.*

Ascoma ceraceo-carnosum pileato-clavatum rotundatum cum stipite centrali cavo confluens, supra plicato-reticulatum lacunosum, hymenio effuso, ascis fixis foeto undique vestitum.

(*Morchella Dill. et auct. Phalli sp. L. Vent. Boletus et Phallo-Boletus Mich.*) Fungi vernales majores, diu persistentes, edules, a sequente consuetudinis ratione magis quam notis essentialibus distinguendi, aegre ad species revocandi, atavis *Maurachen* dicti.

† *ascomatibus basi cum stipite connatis.*

2789. *M. deliciosa Fr.*, ascomatis pileo subcylindrico sensim acuminato, basi adnato firmo, lacunis longitudinalibus oblongis angustis, trabeculis brevibus connexis exarato, livido-pallente dein fumoso-cinerascente, stipite albo pallente aequali tenuiter furfuraceo. — *Morchella deliciosa Fr. syst. II.* 8. *M. costata Schmidt et*

329. LEOTIA HILL. *Kappenschwamm.*

Ascoma subtremellosum pileatum stipite centrali suffultum, orbiculare, limbo revoluto connatum s. liberum patens, supra margineque hymenio persistente, ascis fixis clavato-cylindricis foeto eoque unguinoso aequaliter obductum.

(*Leotia Hill. ex emdt. Fr. Helvellae sp. auct.*)

† *cucullata, ascomatibus tenaciter carnosis persistentibus, a stipite liberis.* (*Leotiae cucullariae Fr.*)

2786. *L. circinans Pers.*, ascomatibus circinatim gregariis, pileo carnoso convexo subrotundo, primum laevi, dein undulato, sicco tuberculato, humecto unguinoso, margine involuto plicas tendineas paucas ad stipitem fistulosum crassum teretem pallidum albo-pulverulentum decurrentes emittente. — *Leotia circinans Pers. comm.* 31., *icon.* 16. *t.* 5. *f.* 5-7., *syn.* 612. *Fr. syst. II.* 27. *Alb. et Schw. nisk.* 297. *Helotium circinans Sw. Helvella revoluta Wahlenb. upsal.* 464.

In pinetis editioribus muscosis passim.

†† *clavatae, ascomatibus tremellinis facile caducis clavato-capitatis, margine adnato decurrentibus.* (*L. Hygromitrae Fr. Tremellae Hygromitrae Nees. L. cucullariae Pers. myc.*) — Deflectunt ad Hymenom. hypodochios, nec a Tremellis figurae ratione longe distant.

2787. *L. atro-virens Pers.*, ascomatibus gregariis pusillis subcarnosis atro-virentibus, stipite aeneo-virente dilutiore, e basi tenuata sensim incrassato inque pileum depressum angustum atro-viridem nitidulum abeunte. — *Leotia atro-virens Pers. myc. I.* 202. *t.* 9. *f.* 1-3. *Tr. syst. II.* 30. *Helotium atrovirens Spr. syst.*

In monte vogeso. (*Mougeot.*) Auctumno.

2788. *L. lubrica Pers.*, ascomatibus gregariis tremellinis, pileo tumido repando lubrico flavo-virente, margine inflexo tumido decursive connato, stipite cavo subaequali furfuraceo-gleboso flavo intus cavo, latice fluxo

scatente. — *Leotia lubrica Fr. syst. II.* 29. *Pers. syn.* 613. *L. gelatinosa Hill. Helvella gelatinosa Bull. t.* 473. *f.* 2. *H. lutea Berg. Elvella lubrica Scop.* — *Vaill. bot. t.* 11. *f.* 7.

α. lacunosa, pileo tenui deflexo plano-lacunoso. *Fr. l. l. Helvella flavo-virens Nees syst.* 176. *f.* 162. *Mart. crl.* 402.

β. umbonata, pileo plano-convexo subumbonato undulato-tuberculoso. *Fr. l. l. Pers. myc. t.* 9. *f.* 4-7 *Merulius lubricus Schum.*

γ. laevis, pileo subrotundo laevi. *Fr. l. l. Phallus lubricus Flor. dan. t.* 719.

δ. revoluta, pileo depresso laevi. *Fr. l. l. Hygromitra tremula Nees syst. f.* 144. *B. Clavaria tremula Holmsk. Peziza Cornucopiae Hoffm. veg. cr. II.* 21. *t.* 6. *f.* 1. *Helvella revoluta Afzel.*

In vallibus udis, humectis promontor. patruorum, var. α. agri erlangensis (*Küttlinger*,) β. Hercyn. infer. rarius.

330. MORCHELLA DILL. *Morchelschwamm.*

Ascoma ceraceo-carnosum pileato-clavatum rotundatum cum stipite centrali cavo confluens, supra plicato-reticulatum lacunosum, hymenio effuso, ascis fixis foeto undique vestitum.

(*Morchella Dill. et auct. Phalli sp. L. Vent. Boletus et Phallo-Boletus Mich.*) Fungi vernales majores, diu persistentes, edules, a sequente consuetudinis ratione magis quam notis essentialibus distinguendi, aegre ad species revocandi, atavis *Maurachen* dicti.

† *ascomatibus basi cum stipite connatis.*

2789. *M. deliciosa Fr.*, ascomatis pileo subcylindrico sensim acuminato, basi adnato firmo, lacunis longitudinalibus oblongis angustis, trabeculis brevibus connexis exarato, livido-pallente dein fumoso-cinerascente, stipite albo pallente aequali tenuiter furfuraceo. — *Morchella deliciosa Fr. syst. II.* 8. *M. costata Schmidt et*

Kz. D. Schw. n. 195. *nec Pers. M. conica Pers.* my
207. *M. contigua Trattin. M. esculenta β. grisea P.*
l., var. vulgaris Pers. syn.; var. γ. nova Alb. et S
nisk. 300.

In pomariis editioribus arcisque graminosis nem
patruorum passim suisque locis gregatim. Primo
(Pileus subcylindricus, 2 uncias longus, ½ latus, la
oblongis concavis, trabeculis scalaribus interstinctis
gularibus exaratus. In deliciis est, reliquis magis a
mata sub nomine: *graue Spitzmorchel.* — *M.*
Lenz essb. Schw. t. 16. *f.* 67., stipite elato, 2-3
ciali, pileo conico basi sublibero, mera var. esse vi
ex loco pinguiore.)

2790. *M. esculenta Pers.*, ascomatis pileo
obtusiusculo basi adnato inflato, lacunis ovalibus
fundis, plicis turgidis succinctis difformibus exarato,
volo dein sordido, stipite albo-pallescente aequali i
tenuiter furfuraceo. — *Morchella esculenta Pers.*
618., *myc. I.* 206. *Grev. scot.* t. 68. *Fr. syst.*
Phallus esculentus L. Schaeff. t. 298. 299. 300. *Ba*
218. — *Mentz. pug.* t. 6. *f.* 3-7 *Chabr. stirp.* 58
3. *Clus. hist. p.* 244.

In pascuis editioribus, pratis nemorensibus, ad s
hortorum interque vepreta patrua, veris tempestate fav
abundanter. (Insiguiter variat, ad pilei figuram: α.
tunda, pileo areolisque rotundis. *Fr. l. l. Mich.* t. 8
1.; β. *ovalis*, pileo ovali, areolis subquadrangulari
Fr. l. l. Mich. l. l. f. 2. *Lenz l. l. t.* 15. *f.* 63.; γ.
nica, pileo conico, areolis productioribus. *Fr. l. l.*
syn. Pers. Flor. dan. t. 53. *Schaeff.* t. 199.; ad c
rem saepius ex helvolo fuliginosum: δ. *fulva*, pileo rh
beo-areolato. *Fr. l. l. Lenz l. l. f.* 64.; ad proceritat
η. *stipitata*, stipite elato, pileo duplo longiore. *Lenz*
f. 65., et denique praeter alios deflexas ignobiles ex
inflata, ad lacunarum figuram: ζ. *corrugata*, pilei are
approximatis acutis contractis.)

2791. *M. crassipes D C.*, pileo carnoso conico o

luloso-areolato acuminato helvolo, stipite e basi bulbosa crassim attenuato elato. — *M. crassipes DC. gall. II.* 213. *Fr. l. l.*

In promontoriis nemorensibus Thuring. rarius. (Aliam Morchellam giganteam qualemcunque infra arcem Rothenburg Thuring. legi, spithama elatiorem, pugna crassiorem, librae unius pondere, alibi illustrandam.)

†† *pileo basi a stipite soluto, ad dimidiam partem libero.*

2792. *M. patula Fr.*, ascomatis pileo ovato-subrotundo obtuse-conico rhomboideo-areolato, basi libero flavo-rufescente, stipite elato furfuraceo-squamoso. — *Morchella patula Fr. syst. II.* 10. *nec Pers., excl. saltem syn. Mich. Nees syst. f.* 164. *Lenz l. l. t.* 16. *f.* 66. *Helvella et Morchella esculenta auct.*

Ad terram pinguem, praesertim ad ripas arenosas fossarum, v. c. agri halens. et thuring. rarius.

881. HELVELLA L. *Runzelschwamm.*

Ascoma pileatum ceraceo-membranaceum, stipite centrali suffultum, inflatum, subtus concavum, supra sinuato-plicatum margineque hymenio laevi persistente, ascis fixis poeto vestitum.

(*Helvellae sp. L. Lk. Nees. Fr. Boleto-Lichen Juss.*)

† *liberae, ascomatis pileo a stipite soluto.*

2793. *H. fistulosa A. et Schw.*, pileo libero lamiusculo repando demum deflexo, supra livido-fuligineo, subtus laevi incarnato-rosello, stipite longo sursum incrassato carneo. *Fr. syst. II.* 21. *Alb. et Schw. nisk.* 299.

In sylvis udis muscosis Lusatiae superior. semel. (*Albertini et Schweiniz.*) Auctumno.

2794. *H. elastica Bull.*, ascomatis pileo libero laevi inflato, demum acute lobato, stipite elongato tenui attenuato pruinoso. — *Fr. syst. II.* 21. *Bull. t.* 242. *H. mitra Bolt. fung. t.* 95. *H. laevis Berg.*

α. albida. — *H. albida Pers. syn.* 616.

β. fuliginea. — *H. fuliginosa Dicks. Sowerb. t.* 134. *Schaeff. t.* 220.

In nemoribus frondosis udis rarius. Aestate.

2795. *H. pulla Holmsk.*, ascomatis pileo deflexo libero lobato undulato fuligineo, subtus stipiteque mediotenus attenuato, basi lacunoso nudiusculo. — *Helvella pulla Holmsk. Fr. syst. II.* 20. *H. cinerea Vill.* — *Mich. gen. t.* 86. *f.* 9.

Ad terram pinguem caudicesque mucidos Germaniae australis occurrere dicitur. Auctumno.

2796. *H. atra Koenig*, ascomatibus minoribus fuligineo-nigris, pileo deflexo utrinque adpresso libero subtus laevi, stipite farcto furfuraceo-villoso. — *Helvella atra Koenig isl.* 20. *Flor. dan. t.* 534. *f.* 1. *H. nigricans Pers. syn.* 617. *Alb. et Schw. misk.* 376.

In nemoribus fagineis campisque abietinis rarius.

†† *adnatae, ascomatibus basi cum stipite connexis.*

2797. *H. Monachella Fr.*, pileo deflexo lobato adnato laevi subspadiceo, stipite cavo laevi glabro albo. — *Helvella Monachella Fr. syst. II.* 18. *H. spadicea Schaeff. t.* 283. *Phallus monachella Scop. carn. II.* 1. — *Mich. t.* 86. *f.* 8.

In campis arenosis et ad arborum truncos passim.

2798. *H. Infula Schaeff.*, ascomatibus magnis, pileo deflexo lobato adnato subcinnamomeo inflato, subtus albido pubente, stipite sublaevi villosulo, stipite sublaevi villoso pallido crassiusculo, demum irregulariter lacunoso. — *Helvella Infula Schaeff. t.* 159. *Pers. syn.* 617. *Fr. syst. II.* 17. *Lenz l. l. t.* 14. *f.* 61. *Helvella Mitra Poll. et alior. H. brunnea Gmel. Phallus triceps Flor. dan. t.* 835. — *Weinm. herb. t.* 524. *Mentz. pug. t.* 6.

Ad terram udam nec non ad truncos putredine exesos passim. Aestate exeunte.

2799. *H. esculenta Pers.*, ascomatibus majusculis, pileo inflato difformi undulato gyroso-rugoso brunneo rotundato, costis crassis elevatis tortuoso-implexis exarato scrobiculato, margine cum stipite laevi fragili villosulo adnexo. — *Helvella esculenta Pers. syn.* 618. *Alb. et Schw. nisk.* 298. *Fr. syst. II.* 16. *Elvella Mitra Schaeff. t.* 160.,— *Weinm. herb. t.* 523. *Mentz. pug. t.* 6.

In pinetis arenosis editioribus, suis locis abundanter, v. Lusatiae, nec non Hercyn. super. Vere ineunte.

2800. *H. sulcata Afzel.*, ascomatibus glabris, pileo deflexo aequaliter 2-3 lobo compresso laevi, intus cum stipite farcto, sulcis longitudinalibus profundis costisque tenuibus solidis exarato connexis. — *Helvella sulcata Afzel. Vet. Ac. Handl.* 1783. *p.* 305. *Pers. syn.* 615. *Schultz starg.* 496. *Fr. syst. II.* 16. *H. pallescens Schaeff. t.* 322. (*ceu var. pallidior, stipite cavo.*)

In lucis nemorensibus editioribus, v. c. agri stargard. (*Schultz*), Bavariae (*Schaeffer*) et alibi rarius.

2801. *H. lacunosa Afzel.*, ascomatibus majusculis, pileo inflato subregulariter lobato cinereo-nigrescente, lobis deflexis adnatis, stipite fistuloso costato-lacunoso. — *H. lacunosa Afzel. l. l. Fr. syst. II.* 15.

α. major, stipite albo. *Fr. l. l. Helvella sulcata Willd. berol.* 398. *H. Mitra Schaeff. t.* 154. *Pers. syn.* 615. *Nees syst. f.* 163. *Bull.*

β minor, stipite nigricante. — *H. monacella Schaeff. t.* 162. *Pers. comm.* 62.

Ad terram graminosam nec non ad truncos mucidos rarius.

2802. *H. crispa Fr.*, ascomatibus magnis solitariis, pileo inflato deflexo lobato, primum adnato, dein libero undulato laciniato-contorto pallido, stipite fistuloso niveo robusto costato-lacunoso, in basin ventricosam desinente. — *Helvella crispa Fr. syst. II.* 14. *nec Bull. Phallus lobatus Batsch. Ph. crispus Scop. carn. II.* 475. — *Mich. t.* 86. *f.* 1.

α. alba, pileo albo, dein pallescente. *Fr. l. l. H. leucophaea Pers. syn.* 616. *Flor. dan. t.* 1560. *H. nivea Schrad. H. Mitra Sowerb.; var. alba Bull. t.* 466. *H. alba Berg. H. lacunosa b. pallida Afzel. H. albida Schaeff. t.* 282.

β. lutescens, pileo siccando subfulvo. *Fr. l. l. H. leucophaea Trattin. essb. Schw. t. DD.*

In nemoribus pinguioribus udis passim. Auct.

832. PHALLUS MICH. *Eichelschwamm.*

Volva uteriformis sessilis radicata ovalis, e membrana duplici, gelatina distenta composita, primum clausa, dein ex vertice scisso (*Schaeff. t.* 196.) ascomatis foeturam ocissime in stipitem cylindricum celluloso-cribrosum succrescentem, capitulo subconico, basi laxe adnato, superne hymenio tenacello sporophoro in laticem diffluente foeto illinito glandiformi coronatum transmittens.

2803. *Ph. impudicus L.*, ascomatis nauseosi capitulo libero conico olivaceo, dein reticulatim pervio, subtus nudo, stipite cribroso subobliquo albo elato. — *Phallus impudicus L. Flor. dan. t.* 175. *Schaeff. t.* 196–198. *Bull. t.* 182. *Nees syst. f.* 259. *Pers. syn.* 242. *Fr. syst. II.* 283. *Ph. foetidus Sowerb. t.* 329. *Ph. vulgaris Mich. t.* 93. — *Clus. hist.* 286.

In nemoribus caeduis patruis, aestate calida rarius.

2804. *Ph. caninus Huds.*, ascomatis capitulo cum stipite contiguo ovato tuberculoso impervio rubescente, stipite flacco celluloso deorsum attenuato. — *Phallus caninus Huds. Schaeff. t.* 330. *Pers. syn.* 243. *Flor. dan. t.* 1259. *Nees syst. f.* 260. *Fr. syst. II.* 284. *Ph. inodorus Sowerb. t.* 330.

Ad truncos putrescentes, coryleos potissimum, v. c. Hercyn. inferior. at rarissime.

b. cpidochii, ascomatibus depressis thalloideis immarginatis, substantia variis, pagina superiore hymenium

politum cum inferiore heterogenea conferruminatum asco-phorum explanantibus.

(Fungorum tremellinorum et elvellaceorum gener. Fr.) Vegetabilia inter Hymenomycetes angiosp. lomatodochios et gymnosp. amorphos quodammodo ambigentia et praeter hymenium superum, habitu nunc Pezizam, nunc Tremellam plane referentia.

533. EXIDIA FR. *Schleimschwamm.*

Ascoma uniforme gelatinosum, in hymenium superum stipatum persistens politum s. papillis spinuliformibus asperum, ascis fistulosis, dein sporidia elastice profundentibus intertextis foetum expansum, inferne tegmine stratoso-rugoso s. vellere sericeo-fibroso munitum.

(Exidia Fr. Nees. Auricularia Wahlenb. Pers. myc. nec Fr. Spicularia Chevaill. Tremellae et Pezizae sp. auct.)

† *glandulosae, ascomatibus inconditis applanatis subtus rugoso-plicatis nudiusculis, supra papillis spinuliformibus asperis.*

2805. *E. pithya Fr.*, ascomatibus parvis crassiusculis subgregariis nigris, supra laevibus, subtus laete olivaceis rugoso-plicatis villosulis, demum deplanatis effusis. — *E. pithya Fr. syst. II.* 226. *Tremella Auricula γ. pithya Alb. et Schw. nisk.* 302.

Ad ramos pineos Lusatiae passim. (*Alb. et Schweinitz.*)

2806. *?E. impressa Fr.*, ascomatibus crassiusculis impressis, dein explanatis subconchiformibus, humectis laevibus opacis fusco-nigrescentibus, siccis rugosis. — *E. impressa Fr. l. l. Tremella impressa Pers. myc. I.* 102. *Tr. rufescens Ehrenb. in lit.*

2807. *E. repanda Fr.*, ascomatibus subrotundis turgidis gregariis pellucidis subapplanato-depressis carneo-cinnamomeis, subtus liberis rugosis saturatioribus, supra laevibus gyroso-plicatis obsolete papillosis, ambitu crenulato crispo. — *E. repanda Fr. syst. II.* 225.

Ad ramos alneos Saxoniae. (*Schubert.*)

2808. *E. saccharina Fr.*, ascomatibus erumpentibus, primum subrotundis compactis tuberculiformibus, dein elongatis flexuosis inconditis gyroso-undulatis crassis fulvo-cinnamomeis, supra papillis minutis obtusis cadaveis adspersis. — *E. saccharina Fr. l. l. Tremella spiculosa γ. saccharina Alb. et Schw. nisk.* 302.

Ad truncos Pini sylvestris et Abietis prostratos, Lusatiae v. c. (*Alb. et Schw.*), Saxoniae (*Schubert*) et alibi.

2809. *?E. guttifera W.*, ascomatibus dein effusis, siccando membranaceis teneris plicatis fusco-rufis, extus corpusculis glanduloso-resinosis aureis liberis adspersis.

Ad ligna abietina nuda Thuring., semper glandulis resinosis exiguis, quales in Tubercularia granulata Pers. adnotavi, adspersa.

2810. *E. glandulosa Fr.*, ascomatibus erumpentibus, primum subrotundis lenticularibus obesis, basi tennata adnatis pezizoideis, ambitu liberis, dein effusis incumbentibus undulatis violaceo-nigris, siccando membranaceis expansis nigris opacis, supra papillis conicis spinuliformibus emersis asperis, subtus dilutioribus pallidis s. piloso-fibrosis. — *E. glandulosa Fr. syst. II.* 224. *Auricularia glandulosa Wahlenb. succ. II.* 994. *Tremella spiculosa Pers. syn.* 624. *Tr. glauca Pers. disp. Tr. papillata Kunze myk. Hft.* 1. 86. *Tr. atro-virens, umbrina Schumach. Tr. glandulosa Bull. t.* 420. *f.* 1. *Tr. Nostoc β. Leers herb.* 271. *Tr. arborea Huds. Hofm. veg. cr. I. t.* 8. *f.* 1. — *Dill. hist. t* 10. *f.* 15.

Ad ramos et truncos siccandos, praeprimis salicinos, auctumno et hyeme vulgaris. (Valde polymorpha et decipiens. Lusum uncias 2 latum, liberum, foliaceo-membranaceum, figuratum ad ligna Hercyn. inferior. legi.)

†† *scabrae, ascomatibus minoribus orbicularis, subtus punctato-scabris.*

2811. *E. truncata Fr.*, ascomatibus orbicularis aterrimis, e basi leviter producta truncato-deplanatis mollissimis elasticis, supra discoideis planis polito-nitentibus,

papillis obtusis adspersis, subtus punctato-scabris. — *E. truncata Fr. syst. II.* 224.

Ad ramulos siccos tiliaceos et quercinos, (*Tremella flaccida Engl. bot. t.* 2452.) passim.

2812. *E. recisa Fr.*, ascomatibus primum erumpentibus orbiculatis gregariis fusco-rufescentibus mollissimis, dein e basi stipitata brevissima obliqua, vertice truncato-planis nitentibus laevibus, ambitu repandis, subtus punctato-scabris obsolete-costatis. — *E. recisa Fr. syst. II.* 233. Tr. *Salicum Pers. myc.* Tr. *recisa Ditmar in Sturm III. t.* 13. *Nees. syst. f.* 141. Tr. *boletiformis Engl. bot. t.* 1819. *Peziza gelatinosa Bull. t.* 460. Tr. *Sagarum Retz.*

Ad ramulos putrescentes, salicinos praeprimis, passim. Hyeme.

††† *tomentosae, ascomatibus majusculis, subtus tomentosis.*

2813. *E. Auricula Fr.*, ascomatibus sessilibus concavis flexuosis caespitosis magnis utrinque plicato-venosis, humectis gelatinosis, siccis membranaceis sequacibus, supra, fusco-nigris opacis laevibus, subtus tomento sericeo stipato cinereo-olivaceo s. rufescente vestitis. — *E. Auricula Fr. syst. II.* 221. *Auricularia Judae Wahlenb. l. l. A. sambucina Mart. erl.* 459. *Pers. myc. Peziza Auricula Judae Hall. Bolt. t.* 107. *Tremella A. Judae L. sp. II.* 1625. *Pers. syn.* 624. — *Blackw. t.* 334. *Mich. gen. t.* 66. *f.* 1.

Ad caudices Sambuci nigrae annosos passim. Auctumno et hyeme.

834. RHIZINA FR. *Hafterschwamm.*

Ascoma carnosum tenuatum crustaceo laminare, subtus bullatum, ramicibus tentaculatis homogenis radiciformibus propexis limboque deflexo innixum, supra hymenio laevi persistente, ascis fixis amplis, sporidia ovato-oblonga continentibus foeto undique obductum.

(Rhizina Fr. Nees. Pers. myc. Elvellae et Peziza sp. auct.) Vegetabilia pezizoidea rigida fragilia terrestria, sessilia, primum ambitu byssina.

2814. *Rh. laevigata Fr.*, ascomatibus orbiculatis laevibus fuscis, margine prominulo cinctis, subtus granulosis ramicesque breves pallidos fibrosos exserentibus. — *Rh. laevigata Fr. syst. II. 33. Pers. myc. I. 217. Octospora-rhizophora Hedw. musc. Fr. II. 15. t. 5. f. A. Peziza rhizophora Willd. berol. n. 1170.*

β. praetexta, ascom. effusis convexiusculis fusco-purpurascentibus, limbo albo margine fibrilloso praetextis subtusque ramices radiciformes concolores exserentibus. *Rh. praetexta Ehrenb. sylv. 29.*

Ad terram arenosam macram, v. c. agri berolin. *(Willdenow, Ehrenberg)*, alibi rarissime. Auctumno.

2815. *Rh. undulata Fr.*, ascomatibus effusis fragilibus spadiceis, primum planiusculis regularibus laevibus, limbo albicante cinctis, dein convexis undulatis, saepius difformibus, subtus flocculosis, ramices radiciformes firmos crassiusculos pallidos exserentibus. — *Rh. undulata Fr. syst. l. l. Helvella acaulis Pers. syn. 614. Alb. et Schw. nisk. 298. Phallus acaulis Batsch elench. 129. Elvella inflata Schaeff. t. 153.*

Ad terram sabulosam et deustam in pinetis siccis, nec a muscis pulvinatis aliena, v. c. Hercyn. superior., Lusatiae, rarius. Aestate et auctumno.

c. hypodochii, ascomatibus figura et substantia variis, sessilibus s. stipitatis, ex aversa (vix nisi resupinationis casu) superiore parte ascophoris.

(Hymenomycetes hymenini pileati Fr. Fungi agarici Dub. F. pileati Nees. Mart. Sp. Hymenothecii Pers.)

α. laminares, ascomatibus sive basi, sive latere adnatis crustacco-deplanatis semiliberisve dimidiatis, sive raro in basin stipitiformem productis, ex aversa parte hymenio subcarnoso concreto laminari undique aequali, saltem non figurato obductis. (Fungi pileati explanati Nees. Hymenothecii gymnodermatini Pers. syn.)

885. THELEPHORA EHRH. *Warzenschwamm.*

Ascoma varium, sive adnatum determinatum, demum deplanando crustaceum, sive latiuscula primum conniventia sensim reclinando cupulamque recludendo resupinatum, sive denique dimidiatum pileato-flabelliforme liberum, extus intusque stuppeo-fibrosum, ex aversa (antica s. postica) parte ascophorum laeve politum omnino nec figuratum. Hymenium distinctum carnosum, ascis immersis tenuibus constipatis, superficiem coactam coloratam tersam parceve pruinosam construentibus foetum, nequale s. papulis convexis (saepius fortuitis) colliculosum, plerumque fatiscendo rimosum.

(*Thelephora Ehrh. Willd. Lk. obs. I. f.* 61. *Pers. ipsiusque Fr. elench. II.* 156-227. *excl. ejus trib. Merismatum, Phylacteriorum et Stercorum. Auricularine et Cellulariae sp. Bull. Helvellae sp. L. Agaricorum ordo* 8. *Mich.*) — Genus tritum at difficillimum; aegre saltem secundum notas essentiales ad species revocandum, morphoseos et metamorphoseos mutabilitate, ex locorum et aetatis conditione et cubilium situ irrumpente saepius pessumdatum, cautius quoque ab aliis, Hypochno, Peziza, et Coniophora dignoscendum.

† *crustaceae, ascomatibus ex initiis hyphoideis stratum hypostromaticum haud figuratum mentientibus iisque sub luce abbreviatis grumosis, sub umbra productioribus radiantibus orbiculatim semet informatibus, hinc arcte adnatis cubilia ambeuntibus et cum illis praeter ambitum saepius fibrillosum prominulum jugiter conferruminatis, hinc (superne) hymenio membranaceo colorato obductis, demum effusis inconditis, colore et substantia variis. (Thelephorae tribus* 4. *resupinatae, Himantiae (aliarum aetas juvenilis), ceraceae, at exclus. Coniophoris (genere distinguendis) et Leiostromatibus (aliarum initiis). Theleph. Corticia Pers.*) — Omnes lichenibus crustaceis analogae et simulac suspectae, saepius formas Th. thalloidearum primitus resupinatas praestantes, interim tamen ad auctorum fidem receptae.

† *uniformes, ascomatibus subtus et in ambitu conformibus.* (*Th. stratosae et ceraceae Fr.*)

2816. *Th. calcea Pers.*, strato hypostromatico epiphloeodeo floccoso-farinoso, e centro mammillato in ambitum rotundatum subtilissimum diffluente albo, demum sensim confluendo effuso, ascoma arcte adnatum membranaceum contiguum tenerrimum late aequaliterque expansum parce papillosum, hymenio terso denique incuso concolore s. argillaceo tenuissimo stipato obtextum, grumosum informante. — *Pers. syn.* 581. *nec myc. Alb. et Schw. nisk.* 283. *Fr. elench. II.* 215.

α. acerina, ascom. tenuissimis anguste circumscriptis lacteis subcaesiisve. — *Th. acerina Pers. syn.* 581. *Fr. syst. II.* 453.

β. salicina, ascom. tenuibus anguste rotundatoque limitatis cinereis, — *Th. calcea v. nivea Pers. l. l.*

γ. dryina, ascom. ruguloso-pulverulentis albo-pallentibus. — *Th. dryina Pers. myc. I.* 152. *Th. acerina β. dryina Pers. syn. l. l.*

δ. sambucina, ascom. demum longe lateque expansis, cubilia undique jugiter obducentibus. — *Th. Sambuci Pers. myc. I.* 152. *Th. calcea γ. sambuci Pers. syn.* Th. *cretacea Fr. obs. I.* 153. *nec Pers.*

Ad arborum cortices antiquos pone radices s. ad earum ramos humi jacentes, Aceris v. c. campestris, Sambuci, Salicum, Pinorum, quovis anni tempore.

2817. *Th. cinerea Pers.*, strato hypostromatico epiphloeode floccoso-farinoso, e centro mammillato in ambitum conformem sensim tenuando declinante, dein confluente effuso carneo-gryseo, demum ascoma undique arcte adnatum contiguum expansum pruina tenui cinerea suffusum parce papillatum grumosum informante. — *Pers. syn. Fr. elench. II.* 221. *Th. fraxinea, Tiliae, Piceae et Pini Pers. myc. Th. nigrescens Schrad.*

Ad ramulos humi jacentes, Salicum praeprimis, Fraxinorum, Pinorum, Tiliarum aliarumque. (Praecedentem

fabrica interna, sequentem colore adpellat quidem, et si quidem tute ab hac differt, ambitu conformi, tenuitate et parenchymate grumoso-floccoso, vix in laminam ceraceam constipato diversa esse videtur.)

2818. *Th. colliculosa Hoffm.*, strato hypostromatico epi-s. hypophloeode, primum floccoso-farinoso in ambitum conformem s. tenuissime byssinum sensim tenuando declinante, dein effuso incarnato, demum ascoma undique adnatum ceraceum in areolas polygonias dehiscens, pruina tenui concolore suffusum papillatum informante. — *Thelephora incarnatam Pers. syn.* 573. *Fr. syst. I.* 444., *elench. I.* 219. *Th. aurantia, lateritia, fallax, bolaris Pers. l. l. Th. confluens Fr. syst. I.* 447., *elench.* 218. (*aetas junior, in locis udis hymenio nondum informato.*)

α. epiphloeodea, initiis epiphloeodeis mamillaribus ambitum conformem angustum spargentibus, demum effusis ceraceo-membranaceis, plerumque papillato-colliculosis undulato-contortis laminaribus s. bracteatis, a centro inde in areolas polygonias fissis. — *Th. polygonia Pers. syn.* 374. *Fr. syst. II.* 444., *elench. I.* 222. *Th. colliculosa Hoffm. germ. III. t.* 6.

β. hypophloeodea, initiis hypophloeodeis s. epixylis, primum capillaribus ambitum dilutiorem spargentibus, dein longe lateque effusis expansis ceraceo-membranaceis crustaceis parce papillosis, in areolas plurimas daedaleas dehiscentibus. *Th. nuda Fr. elench. I. l. Th. dichroa et Castaneae Pers. myc.*

Ad ramulos arborum plurimarum, maxime tamen Quercus, Fagi, Tiliae, Fraxini, Rosarum, Ligustri (?*Th. limitata Fr. elench.* 222.), et aliarum ejusmodi, vulgaris. (Suspecta et forsan ipsius Th. carneae Humb. lusus ab informatione thallodeo prohibitus.)

2819. *Th. decorticans Pers.*, ascomatibus primum hypophloeodeis epixylis, dein epidermidem inaequaliter scissam revelantibus, aequaliter longe lateque effusis

tenuibus membranaceo-subcarnosis contiguis carneo-lutescentibus, pruina debili albida adspersis, ambitu conformibus, parce papillosis, papillis saepius semet producentibus.

α. membranacea, ascom. aequaliter effusis membranaceis contiguis parce papillosis. — *Th. comedens Nees syst. f.* 255. *Fr. syst. I.* 447., *el. I.* 219. *Th. carnea Ehrenb. sylv.* 30.

β. hydnoidea, ascom. effusis membranaceis papillosis carneo-lutescentibus s. auraptiacis, papillis sparsis inaequalibus, saepius elongatis difformibus. — *Th. hydnoidea Fr. syst. II.* 445. *Pers. syn.* 576. *Th. fissilis Pers. myc. I.* 133. *Radulum lactum Fr. elench. I.* 152. *Hydnum thelephoroideum Dub. gall. II.* 774.

Sub cortice ramulorum quercinorum, coryleorum, carpineorum et sorbeorum delitescit et demum illo desquamante in conspectum venit; rarius etiam epiphlocodes vel epixyla.

2820. *Th. paradoxa W.*, ascomatibus epiphlocodeis, primum orbiculatis implexo-hyphoideis tenerrimis lacteis, dein magis constipatis effusis, a centro inde (saepius) in papillas conico-elongatas difformes, vertice obtuso clausas byssinove-solutas succrescentibus hymeniumque albido-lutescens coactum, denique incusum undique praeter ambitum byssinum effoetum superinducentibus. — *Radulum orbiculare Grev. scot. t.* 278. *Fr. elench. I.* 150. *Sistotrema Cerasi, digitatum et leucoplacum Pers. Odontia Cerasi Pers. olim. Hydnum laevigatum Pers. H. Radula Fr. syst. I.* 423. *H. paradoxum Schrad. spic.*

Ad cortices ramorum Cerasi, Sorbi, Betulae et Alni putrescentes, auctumno sero passim.

2821. *Th. illinita W.*, ascomatibus epixylis membranaceis coriaceis tenerrimis, cubilia longitudinaliter obducentibus, arcte adnatis, ambitu determinato conformi dilutiore circumscriptis caesio-lacteis, primum contiguis nudis, dein incuso-pruinosis, in rimas multifariam decussatas dehiscentibus.

Ad tabulas abietinas laevigatas in apricis passim. (Maculis veluti calce illinitis tenuatis, longitudinaliter expansis, ulnam saepius longis, 1-2 uncias latis oculos allicit.)

2822. *Th. viscosa Pers.*, ascomatibus effusis subgelatinosis viscosis delicatis glaberrimis mollibus hyalinis albido-caesiis s. pallide-fuscescentibus, ambitu conformibus, sicando fugacibus s. in membranulam contabescentibus. — *Thelephora viscosa Pers. syn.* 580. *Fr. syst. I.* 448.

Ad ramos dejectos arborum in locis udis vulgaris.

2823. *Th. ochracea Fr.*, ascomatibus epixylis arcte adnatis, primum tenuissimis rotundatis, ambitum dilutiorem floccoso-grumosum spargentibus, dein carneo-ochraceis contiguis ceraceis, demum longissime effusis, in rimas multifariam foraminulosas secedentibus, glabris. — *Fr. syst. I.* 446., *elench. I.* 216. *Th. fallax β. Alb. et Schw.*

β. concentrica, ascom. crassioribus e luteo rubentibus, centro papillosis, siccando rimoso-areolatis. — *Th. ochracea β. crassior Fr. elench. l. l. Th. concentrica Alb. et Schw. nisk.* 279. *Fr. syst. l. l.*

Ad ligna mucida, salicina et pinea passim.

2824. *Th. gigantea Pers.*, ascomatibus contiguis carnosis ceraceis latissime expansis hyalinis lacteis, siccando papyraceo-cartilagineis, dein ambitum strigoso-radiatum reclinantibus. — *Th. gigantea Pers. myc. I.* 150. *Fr. elench. I.* 213. *eoque teste Th. pergamenea Pers. l. l. Th. fimbriata Sommerf. Th. lactea Pers.* (*ceu aetas juvenilis.*)

Ad cortices Pini sylvestris et Abietis passim.

2825. *Th. suaveolens Fr.*, ascomatibus suberoso-mollibus longe lateque expansis contiguis laevibus albo-pallescentibus, siccis duris subcoriaceis. — *Th. suaveolens Fr. elench. I.* 208. *Xylostroma suaveolens Moug. Th. Corium W. in lit.*

Ad candices fagineos putres, quos integros saepe obducit. (Polypori cujuscunque incunabula thelephoroidea esse videntur.)

2826. ***Th. cretacea Pers.***, ascomatibus determinatis, ambitu strigoso-fibrilloso concolore obvallatis tenuibus albo-pallescentibus, vivis molliter carnosis, siccando subcoriaceis in rimas fibrosas scissilibus papillosis. — *Pers. myc. I.* 150. *nec Fr. Th. papillosa Fr. elench. I.* 212.

Ad tabulas abietinas in locis udis propter terram, hortorum areas concipientes s. aquam ducentes vulgaris.

2827. ***Th. laevis Pers.***, ascomatibus membranaceis effusis laevibus pallidis subtus araneoso-tomentosis albis. — *Pers. syn.* 573. *Fr. syst. I.* 451. *Th. domestica Fr. l. l.* (*lusus magis relaxatus ex loco udo.*)

Ad ramos populneos pineosque, ad asseres abietinos in locis udis passim.

2828. ***Th. incrustans Pers.***, epixyla s. epigaea, strato hypostromatico byssoideo albo, nonnisi in hyphas mollem effusam pallidam laxam sterilem succrescente, demum determinato, ambitum tenuem byssinum spargente hymeniumque subcarnosum helvolum contiguum parce papillosum informante, ascoma laminare subcarnosum, cubilia obducens praestante.

α. laminaris, ascom. determinatis laminaribus carnosis helvolis, ambitu byssoideo pertenui circumscriptis, contiguis, saepius deformiter papillosis. — *Th. incrustans Pers. syn.* 577. *Fr. syst. I.* 448., *elench. I.* 214., *var. lignaria Alb. et Schw. nisk.* 280. *Th. scbacea Pers. l. l. Corticium incrustans Pers. obs.*

β. cristata, ascom. dein effusis, sive cubilia quaecunque incrustando obducentibus, sive primitus statim deformiter succrescentibus formasque varias ramosas cristatasque mentientibus. — *Merisma serratum Pers. comm.* 106. *t.* 4. *f.* 4., *syn.* 583. *Flor. dan. t.* 1302. *f.* 2. *M. cristatum Pers. l. l. Thelephora cristata et penicillata Fr. elench. I.* 168.

Ad truncos arborum languidarum (Pyrorum v. c., Salicum, Quercuum) Hyadibus regnantibus, nec non ad terram nudam pinguem, in quo loco saepius sive in monstra valde deformia, habitum alienum, clavatum, stalacticium s. merismoideum mentientia succrescit, sive gramina aliasque quisquilias ambit et cum illis concrescit. Intra corticum rimas udas et ad terram roridam (*Th. mollissima Pers. syn.* 572.) saepe valde relaxatur et hypham bombycinam elatam praestat.

** *difformes, ascomatibus subtus hyphoideis, ambitu subfigurato prominulo cinctis.* (*Th. Himantiae et Coniophorae sp. Fr.*)

2829. *? Th. byssoides Pers.*, ascomatibus byssino-hyphoideis ochroleucis irregulariter effusis, ambitum delicatum tomentosum spargentibus, dein superficiem coactam nudam s. demum tenuiter incusam flavam inducentibus. — *Pers. syn.* 577. *Alb. et Schw. nisk.* 280. *Fr. syst. I.* 452.

Ad quisquilias humi jacentes post imbres intensos passim.

2830. *Th. rosea Pers.*, ascomatibus adnatis, primum orbiculatis membranaceis laeviusculis, dein effusis incusis roseis subtus ambituque albo-tomentosis, a centro inde areolato-rimosis. — *Pers. syn.* 575. *Fr. syst. I.* 451., *elench. I.* 203. *Corticium roseum Pers. disp.*

Ad cortices sub sepimentis putrescentes passim. Hyeme. (Caute ab Hyphodermate fibrilloso dignoscenda.)

2831. *? Th. reticulata Fr.*, ascomatibus adnatis orbiculatis ex aurantio s. rubente cinerascentibus incusotomentosis, a centro obeso subcarnoso succulento confertim-papilloso inde in ambitum subtilissimum reticulatum olivaceum desinentibus. — *Fr. elench. I.* 196. *Th. marginata Alb. et Schw. nisk.* 281.

Ad ligna pinea putrescentia intra cellas udas Lusatiae, semel. (*Albertini et Schweiniz.*)

†† *thallodeae, ascomatibus primum verrucosis, extus plerumque strato carnoso distincto, vellere floccoso s.*

Ad caudices alneos et coryleos passim, siquidem a Th. avellana ipsaque Th. hirsuta reapse differt.

** *cupulares, ascomatibus primum verruciformibus, vertice reclusis cupularibus, dein ex latusculorum reclinatione pro cubilium situ et directione varia magis minusve subsidentibus resupinandoque reclinatis, s. praeter basin adnatam liberis pileato-flabelliformibus dimidiatisve. (Thelephora Apus C. Auricularia Fr. el.)*

2840. *Th. evolvens Fr.*, ascomatibus epiphloeodeis verruciformibus semiglobosis, intus nigro-violaceis, extus praeter hypham radiantem laxam tomentosis diutehelvolis clausis, dein e vertice aperto hymenium discoideo-immersum fusco-sanguineum glauco-pruinosum monstrantibus cupularibus, demum latuscula reclinando deplanantibus effuso-resupinatis, margine tomentoso leviter inflexo cinctis. — *Fr. syst. I.* 441., *elench. I.* 181. *Th. laxa Pers. myc. I.* 143.

Ad corticem ramorum Pruni Cerasi, Betulae, Tiliae aliarumque patruarum passim. (Aetas adulta resupinata Th. purpuream omnino aequat.)

2841. *Th. amorpha Fr.*, ascomatibus primum tuberculiformibus, extus albido-tomentosis, dein cupularibus sensim deplanatis subcoriaceis marginatis, hymenium rufo-pallescens aperientibus. — *Fr. elench. I.* 183. *Peziza amorpha Pers. syn.* 657.

Ad caudices abietinos in regionibus editioribus passim.

2842. *Th. flocculenta Fr.*, ascomatibus primum tuberculiformibus byssinis ceraceis albidis, dein effuso-resupinatis hymenium marginatum colliculosum sanguineo-rufum cervino-pruinosum aperientibus, subcoriaceis. — *Fr. elench. I.* 184. *Th. populina Fr. in lit. (ceu forma lignicola.) Peziza amorpha Alb. et Schw. nisk.* 329. *(f. corticola exserta.)*

Ad truncos Populi suis locis passim.

2843. *Th. sarcoides Fr.*, ascomatibus erumpentibus, primum orbicularibus depresso-cupularibus molliter

carnosis crassiusculis, subtus liberis adpresso-villosis albis, dein declinatis hymenium obscure-carneum centro tuberculosum mentientibus, demum a cubilibus secedentibus liberis, siccando pallentibus profunde-rimosis. — *Fr. el. I.* 185. *Th. cruenta Fr. syst. I.* 444., *var. β. Alb. et Schw.* 277.

Ad ramos betulinos humi jacentes rarius.

2844. *Th. versiformis Fr.*, ascomatibus primum verrucosis, extus parce villosis, dein cupularibus marginatis hymenium discoideum depressum rubrum subtuberculosum monstrantibus, demum deplanatis laevigatis pallentibus, siccando sublignosis uniformibus, profunde-rimosis. — *Fr. el. I.* 184.

Ad corticem acerinum v. c. Hercyn. infer. rarius.

2845. *Th. salicina Wahl.*, ascomatibus resupinatis praeter centrum adfixum liberis, subtus villosis albis, supra glaberrimis sanguineo-rubris. — *Wahlenb. succ. Fr. syst. I.* 442. *Peziza sarcoides α. Alb. et Schw. l. l.*

Ad truncos salicinos in regionibus subalpestribus.

2846. *Th. sanguinolenta A. et Schw.*, ascomatibus coriaceo-mollibus, intus atro-sanguineis, fractis cruentantibus, extus pallidis sericeo-tomentosis, primum peltato-laminaribus praeter basin adnatam liberis, hymenium glabrum grysco-fuscescens aperientibus, demum dimidiato-pileatis effusisque tenuatis. — *Th. sanguinolenta Alb. et Schw. nisk.* 274. *Fr. syst. I.* 440., *elench. I.* 178. *Grev. scot. t.* 225. *Th. sericea β. et crispa Pers. Th. nitida Pers.*

Ad ligna pinea et abietina Lusatiae (*Alb. et Schw.*)

2847. *Th. purpurea Schum.*, ascomatibus molliter coriaceis, intus purpureo-violaceis, extus pilis strigosis pallidis conformibus zonatisve hirsutis, primum tuberculiformibus, dein e basi hinc adnata dimidiato-flabelliformibus propexis liberis, supra convexis undulatis, subtus dilutius saturatiusve purpurascentibus glabris, rore grysco adspersis, demum plerumque imbricatis. — *Schum. saell.*

hirsuto colorato obductis, dein latusculis a vertice inde reclinatis revolutisque resupinatis, praeter marginem adscendentem s. basin adnatam magis minusve liberis, nunc membranam adnatam, nunc pileum dimidiatum flabelliformem mentientibus hymeniumque ex aversa parte recludentibus. (Th. Auriculariae Fr. elench., apice et resupinatae Fr. syst. Th. Stereum pileo resupinato Pers. myc.) Lichenibus thallinis et Calyciis Umbilicariis eximie analogae.

* *laminares, ascom. ex initiis verruculosis resupinando subsidentibus, sensim deplanatis, praeter marginem adscendentem s. revolutum liberum adnatis, laminaribus.*

2832. *Th. disciformis DC.*, ascomatibus subrotundis tenuibus coriaceis, centro adnatis, subtus saturatioribus pubescentibus, supra albis parce papillosis. — *DC. gall. VI.* 31. *Fr. syst. I.* 443.

Ad caudices quercinos passim.

2833. *Th. Pini Fr.*, ascomatibus resupinando peltatis demum bullatis duris, subtus glabris pallidis, zona

sutis, primum tuberculiformibus, dein basi adnata cupularibus peltato-umbilicatis s. hinc dimidiatis flabelliformibus propexis liberis planis s. complicatis, hymenium glabrum contiguum pallide-lutescens occultantibus. — *Willd. ber. 397. Pers. syn. 570. Fr. syst. I. 439. Th. papyracea Flor. dan. t. 1199. Boletus auriformis Bolt. t. 82. Auricularia reflexa Bull. Sowerb. Helvella acaulis Huds. — Mich. t. 66. f. 2.*

Ad arborum frondosarum candices ipsaque ligna fabrefacta ubique, lubentius tamen quercina. (Figura et mole infinite variat et more reliquarum thallodearum, similiter dijudicandarum formas analogas, v. c. aetatem *verrucosam*, statum *cupularem*, formam *discoideam*, monstrum *resupinatum*, a Th. rugosa, si quidem differt, caute dignoscendum et multifariam imbricatam suppeditat.)

2852. *Th. spadicea Pers.*, ascomatibus tenaciter coriaceis, intus fusco-rufescentibus, extus pilis tomentosis ferrugineo-spadiceis zonatis vestitis, primum tuberculiformibus, dein basi adnata sive peltato-umbilicatis, ore hinc dimidiatis, antrorsum porrectis plicato-flabelliformibus, margine saturatiore nudis, subtus fuscescentibus. — *Pers. syn. 568. Fr. syst. I. 438.*

Ad caudices quercinos, alneos et betulinos virgultuo- passim. (Fabrica interna cum praecedente congruit, hymenii crassioris, saturatius fuscescentis indole potius differt.)

2853. *Th. tremelloides Chev.*, ascomatibus primum resupinatis, dein reflexis coriaceo-tremellosis, subtus vellere byssoideo distorto obtextis zonisque fuscis gatis, margine undulato-lobatis, subtus gyroso-plilaevibus fusco-violaceis, humectis gelatinosis, siocis ceis. — *Phlebia mesenterica Fr. elench. 154. Ph. lloides Fr. syst. orb. I. 83. Auricularia mesenterica myc. I. 97. Thelephora mesent. Pers. syn. 571. fung. t. 172. Th. tremelloides DC. gall. II. 104. ar. Helvella mesenterica Dicks. Auricularia tres Bull. t. 290. A. corrugata Sowerb.*

truncos arborum v. c. agri misnici (*Ludwig*),

quercinos Lusatiae (*Alb. et Schw.*) ulmeos agri viteberg. (*Klotzsch*), agri argentor. (*Kneiff*), tiliaceos Thuring. (*Wallr.*) aliisque locis rarius. (De generis notione adhuc sub judice lis est. Ambigit inter Thelephoram et Exidiam illamque habita, velleris zonati et fabricae internae conditione et hymenio infero, hanc fabrica gelatinosa hymenii refert. Hinc eo titulo interim indicari.)

NB. Praeter has aliae quaecunque Thelephorae species laudantur apud auctores, *Persoonium* nimirum: Th. *cyclothelis, fuliginosa, adglutinata, Lycii, porioides, obscura, pithya, bufonia, Taxi, Typhae, leproides, cricetorum et epiderma*, apud *Sprengelium in fl. hal.*: Th. *Schweinitzii, Bucreas* et *dispersa*; apud *Friesium*: Th. *sterilis, circinata* (*Sarcopodium Ehrenb. cf. supra* II. 229.), *amphibolia, laevigata, maculaeformis, comedens, livida, serialis, alnea, mollis* et quae sunt aliae, quae quidem a civitate patria minime alienae, mihi tamen dubiae et suspectae melius et ad posterum diem omittuntur. Haud secus est cum *Merismate Pers. Lk.*, genere inter Clavariam et Thelephoram fere medio, et a *Friesio* haud sine ratione quidem huic subscripto, interim tamen sigillatim indicando.

336. ?MERISMA PERS. *Rankenträger.*

Ascoma subcoriaceum irregulariter ramosum, sive in ramos compressos, apice dilatatos pilosiusculos divulsum, sive in laminas crustaceas supra deformiter luxuriantes coactum, hymenio concreto laevi undique obductum, subtus potissimum ascis distinctis foetum.

(*Thelephorae tribus* 2. *Merisma Fr. syst. elench. Merisma Pers. Link. Mart. Grev.*)

† *subcrustacea, ascomatibus in laminas deformes effusas succrescentibus.*

2854. *M. penicillatum W.*, ascomatibus subcarnosis effusis albido-fuscescentibus s. purpurascentibus, sensim incrustando diversissimas formas adficientibus ramosque difformes incisos emittentibus. — Thelephora

penicillata Fr. elench. I. 168. *Merisma cinereum et vermiculare Pers. myc. I.* 155. *M. cristatum β. et γ. Fr. syst. I* 136.

In nemoribus umbrosis, quisquilias qualescunque ipsamque terram ambiendo incrustans. Auctumno.

2855. *M. fastidiosum Pers.*, ascomatibus effusis carnosulis candidis late incrustantibus ramicesque laminosos difformes emittentibus. — *Pers. syn.* 582. *Thelephora fastidiosa Fr. syst.* 435.

In fagetis umbrosis passim.

†† *ramosa, ascomatibus e basi conformi in ramos divulsis.*

2856. *M. Küttlingeri Mart.*, ascomatibus erectis subfibrosis, inferne croceis, superne flavis nitentibus, ramis approximatis, basi filiformibus, apice dilatatis valde connexis, cum hypostromate floccoso adscendente intertextis. *Mart. erl.* 396. *Thelephora Küttlingeri Fr. syst. I.* 434.

In terra nuda nemorum in agro erlang. (*Küttlinger.*)

2857. *M. palmatum Pers.*, ascomatibus erectis caespitosis purpureo-fuscis, ramis complanatis laevibus dilatatis palmatis pubescentibus, apice albicantibus. — *Pers. myc. I.* 157. *M. foetidum Pers. syn.* 584. *Grev. scot. t.* 46. *Thelephora palmata Fr. el. I.* 167. *Clavaria tomentosa Lam. DC. Cl. palmata Scop.*

β. anthocephala, ascom. subferrugineis, ramis approximatis obtuse laciniatis fastigiatis s. in comam pileolosque cyathiformes concrescentibus. *Fr. l. l. M. petaloides Chevaill. Cl. anthocephala Bull. t.* 452. *f.* 1.

Ad terram in pinetis udis post pluvias. Auctumno.

2858. *M. coralloides Pers.*, ascomatibus erectis coriaceo-molliusculis fusco-nigricantibus, ramis dilatatis, apice fimbriatis albicantibus. *Pers. myc. I.* 159. *Thelephora coralloides Fr. elench. I.* 167. *Clavaria coriacea Bull. t.* 452. *f.* 2.

Ad terram nudam inter folia rarius, auctumno.

II. 398. *Fr. syst. I.* 440. *Th. verticosa Fr.* obs. *Th. reflexa* ζ. *amethystea DC. Bull. t.* 483. *f.* 1.

Ad truncos arborum frondosarum fere omnes ubique. (Stirps vulgata, innumeris obnoxia mutationibus ad molem, ascomatum dispositionem ipsiusque coloris striaque paginae mutabilitatem. Hinc redeunt in Coryla e Fago, ascomata valde exigua, lentis majoris molem aequantia; nunc in caudicibus betulinis ascom. abbreviata cespitosa, tam firmiter inter se imbricatimque congesta, e unicum plicatum umbonatum rotundatum s. Cantarellus crispum referre videantur; nunc stipitata geophila, *Alb. et Schweinizio* jam nota, vel plane resupinata, a Th. cinerea cautius dignoscenda; nunc productiora convoluta, eaque omnia promiscue superne azona et zonata. Color hymenii neque minus varius, nonnisi tam dilute purpurascens, ut lilacinum praestet (*Elvella lilacina Bolton. cont. I. f.* 131. *Th. lilacina Pers. syn.* 572.)

2848. *Th. ochroleuca Fr.*, ascomatibus papyraceo-membranaceis effuso-reflexis flaccis, supra zonato-pulescentibus striatis, subtus glabris ochraceis, rimosissimis

lidis compositis. — *Thelephora granulosa Pers. syn.* 576. *Fr. syst. I.* 446. *Corticium alutaceum Pers. obs.*
In similibus cum praeced. locis. Hyeme.

2862. *H. asperum W.*, ascomatibus adnato-resupinatis tenerrimis papyraceis, primum subrotundis, ambitu obtuso cinctis candidis verrucosis, dein effusis pallentibus, papillis conicis in setulas acutas subtilissimas pellucidas fatiscentibus, pulverulentis. — *Thelephora aspera Pers. myc. I.* 153. *t.* 6. *f.* 5. (*icon rudis nimisque cinerea.*)
Ad ramos putres, habitu prorsus Peltigerae agelaeae. Vere.

2863. *H. sulfureum W.*, ascomatibus adnato-resupinatis effusis, ambitu fibrilloso-byssino succinctis laete sulfureis, nunc sterilescendo tenuiter membranaceis, nunc foetis hymenium subfulvum, setulis albidis asperulum informantibus. — *Thelephora sulphurea Fr. syst. I.* 452., *Hench. I.* 204. *et* 159. *coque teste: Athelia citrina, Rhaphidium ochroleucum, Ceratonema capillare et Ozonium croceum Pers. myc., Himantia sulfurea Pers. syn. et Spilotrichum croceum Kz.* — *cf. crypt. H.* 279.
Ad ligna putredine uda exesa, eaque non solum obducens sed quoque penetrando infarciens et tingens. Hyeme.

2864. *H. fibrillosum W.*, ascomatibus adnato-resupinatis membranaceis circumscriptis, dein confluendo effusis, ex fibris hyphoideis rigidulis carneo-pallidis, ambitum versus in fasciculos tendineos radiantes exsertos seriles collectis, centro dense intertextis illisque in papillas conoideas confertissimas, demum in setulas acutas palinas solutas succrescentibus, hymenium carneum s. laete-cinnamomeum, veluti areolato-colliculosum s. papillis pulverulentis exaratum mentientibus. — *Th. fibrillosa W. in lit.*
Ad ramos Cerasi putres sepimentorum udorum. Hyeme.

†† *thallodea, ascomatibus thallodeis, magis constantibus, aliis perfectis in pilei dimidiati s. integri figuram incinnatis, aliis a figura rata aberrantibus, resupinatis visisque.* (*Thelephora Phylacteria Pers. Fr.*)

337. HYPHODERMA W. *Stachelhäutling.*

Ascoma ex fibris hyphoideis subtilissimis vage ramosis remote septatis jugiter intertextis, singulis in alteraquaque pagina in ascos subclavatos emersos desinentibus contextum, sive adnatum, sive dimidiatum pileatoflabelliforme, nisu fibras in fasciculos tendineos constipandi earumque ope ramos veluti informandi insigne. Hymenium solutum, ex ascis subclavatis, sporidiis subrotundis foetis compositum, subpulverulentum s. spiculosum.

(Thelephorae et Himantiae sp. auct. Merismatis sp. Pers. Craterella Pers.) — Genus vexatum, aptius forsan sub Hyphomycetibus militans.

† *crustacea, ascomatibus adnatis ambitum rotundatum hyphoideum circumscribentibus, supra ascis spiculum acutis horridulis. (Th. Himantiae sp. Fr.)*

2859. *H. spiculosum W.*, ascomatibus adnato-resupinatis tenuissime membranaceis albis, primum rotundatis, ambitu conformi limitatis, deiu effusis pallentibus, supra setulis sparsis s. in granulos convexos congestis acuminatis majusculis dilutioribus pellucidis obsoleteseptatis obsessis. — *Thelephora spiculosa W. in lit.*

Ad ligna putredine uda exesa in sepimentis thuring. minime raro. Vere. (Ex hoc censu procul dubio etiam *Th. setigera Fr. elench. I.* 208., quam quidem secundum formas l. nondum persequutus sum.)

2860. *H. puberum W.*, ascomatibus adnato-resupinatis ceraceo-membranaceis lacteis s. pallide-argillaceis, supra setulis curtis parce prominulis hispidulis. — *Thelephora pubera Fr. elench. I.* 215.

Ad ligna faginea in locis udis passim. Vere.

2861. *H. granulosum W.*, ascomatibus adnato-resupinatis pallentibus, ex hyphis brevissimis subtilissimis, aliis in flocculos contortis crustam tenerrimam hyalino-papyraceam coactam mentientibus, aliis in verrucas papulosas sparsas constipatis sparsimque prominulis ore

didis compositis. — *Thelephora granulosa Pers. syn.* 576. *Fr. syst. I.* 446. *Corticium alutaceum Pers. obs.*
In similibus cum praeced. locis. Hyeme.

2862. *H. asperum W.*, ascomatibus adnato-resupinatis tenerrimis papyraceis, primum subrotundis, ambitu obtuso cinctis candidis verrucosis, dein effusis pallentibus, papillis conicis in setulas acutas subtilissimas pellucidas fatiscentibus, pulverulentis. — *Thelephora aspera Pers. myc. I.* 153. *t.* 6. *f.* 5. *(icon rudis nimisque cinerea.)*
Ad ramos putres, habitu prorsus Peltigerae agelaeae. Vere.

2863. *H. sulfureum W.*, ascomatibus adnato-resupinatis effusis, ambitu fibrilloso-byssino succinctis lacte-sulfureis, nunc sterilescendo tenuiter membranaceis, nunc foetis hymenium subfulvum, setulis albidis asperulum informantibus. — *Thelephora sulphurea Fr. syst. I.* 452., *elench. I.* 204. *et* 159. *eoque teste: Athelia citrina, Rhacodium ochroleucum, Ceratonema capillare et Ozonium croceum Pers. myc., Himantia sulfurea Pers. syn. et Sporotrichum croceum Kz. — cf. crypt. II.* 279.

Ad ligna putredine uda exesa, eaque non solum obducens sed quoque penetrando infarciens et tingens. Hyeme.

2864. *H. fibrillosum W.*, ascomatibus adnato-resupinatis membranaceis circumscriptis, dein confluendo effusis, ex fibris hyphoideis rigidulis carneo-pallidis, ambitum versus in fasciculos tendineos radiantes exsertos steriles collectis, centro dense intertextis illisque in papillas conoideas confertissimas, demum in setulas acutas hyalinas solutas succrescentibus, hymenium carneum s. dilute-cinnamomeum, veluti areolato-colliculosum s. papulis pulverulentis exaratum mentientibus. — *Th. fibrillosa W. in lit.*

Ad ramos Cerasi putres sepimentorum udorum. Hyeme.

†† *thallodea, ascomatibus thallodeis, magis constipatis, aliis perfectis in pilei dimidiati* s. integri *figuram conciunatis, aliis a figura rata aberrantibus, resupinatis divisisque. (Thelephora Phylacteria* Pers. Fr.)

2865. *H. lintaceum W.*, ascomatibus stuppeis polymorphis, inter figuram membranaceo-resupinatam laminarem dimidiatoque pileatam variis, adnatis semiliberisve fusco-umbrinis, humectis spongiosis, siccis lintaceis, ex alteraquaque pagina hymenium dilute-cinnamomeum pulverulentum informantibus. *Thelephora laciniata Fr.* elench. 170.

α. resupinatum, ascom. membranaceo-lintaceis arcte adnatis constipatis umbrinis, primum continuis orbicularibus, dein longe lateque expansis, margine in tendines fibrosos stipatos saturatiores comprehensis, supra hymenio tenue concolore superfusis. — *Hypochnus umbrinus W. crypt. H.* 312. *excl. syn. Th. laciniata d. pileo toto resupinato Fr. el. I.* 171. *Th. umbrina β. lignatilis Alb. et Schw. misk.* 281.

β. laciniatum, ascom. dimidiato-flabelliformibus ferrugineo-fuscis lintaceis, praeter basin tenuatam stipatam (pro maxima parte) liberis, supra squamis fibrosis adpressis ad marginem productis saturatioribus vestitis, subtus hymenio dilute cinnamomeo laxo superfusis. — *Th. laciniata Pers. syn.* 567. *Fr. syst.* 431. *Grev. scot. t.* 264. *Th. caryophyllea Pers. myc. Th. mesenteriformis Flor. dan. t.* 1198. *Corticium lacin. Pers. obs. Helvella pinsil.*

γ. crateriforme, ascom. gregariis crateriformibus ferrugineo-fuscis, in basin stipitiformem productis, margine inciso, saepius subradiato. — *Th. lacin. b. pileo integro substipit. Fr. l. l. Th. caryoph. Pers. Nees syst. f.* 250. *nec Fr. el. Craterella ambigua Pers. obs. t.* 6. *f.* 8. *Merulius radiatus Holmsk. Peziza radiata Flor. dan. t.* 469. *f.* 2.

δ. palmatum, ascom. e basi stipitiformi constipata compressa in laciniis obovatas, apice calloso truncatas divisis, habitum flabellarem mentientibus, erectis, utrisque ascophoris ferrugineo-fuscis. — *Merisma palmatum β angulatum Pers. myc. Theleph. palmata Fr. syst.* 432. *Clavaria palmata Nees f.* 151. *nec Pers.*

η. strigosum, ascom. e basi deformiter conflaente incrassata in lacinias plurimas, apice iterum fissas denticulatis pallide cinnamomeis, caespites declinatos divergentes merismoideos mentientibus. — Fr. l. l. Merisma strigosum Pers. syn. et myc. M. cristatum β. fuscum A. et Schw.

ζ. *flabelliforme*, ascom. e basi stipitiformi constipata compressa erecta ramosis, ramis fissis dichotomisque linearibus acutis utrinque ascophoris ferrugineo-fuscis. — *Merisma foetidum Pers. syn. Th. flabelliforme Fr. syst. I. 433. Clavaria foetida Batsch cont. II. f. 159.*

Ad terram arenosam promontoriorum udorum sterilium et ex illa quisquilias quascunque, maxime herbaceas appetens et incrustans; m. a. ad ligna subterranea. Hyeme. (*Th. caryophyllaca Fr. nec Pers.* ab hac ascom. coriaceis depresso-pileatis fibroso-laceris, subtus glabris, stipite distincto et odore nullo differre dicitur, nec tamen mihi nota.)

2866. *H. terrestre W.*, ascomatibus e basi stipitiformi dimidiato-pileatis obscure-fuscis fibroso-strigosis. *Th. terrestris Fr. elench. I. 171. Th. umbrina Pers. syn. Th. crustacea Schum. (m. ascom. effusis.) Th. dubia Pers. syn. (ascom. integris pileatis.)*

In similibus cum priore locis, at multo rarius. (*Th. intybacea*, caespitosa imbricata, pileo subdimidiato fibroso-squamoso pallido, subtus cinereo-fuscescente, stipitibus basi unitis *Pers. syn.* 567., in fagetis rarissime crescens, mihi plane latet.)

2867. ?*H. pannosum W.*, ascomatibus gregariis suberosis tenuibus pallidis, e stipite subtiliter villoso in pileum excavato-infundibuliformem squamosum fimbriato-lacerum abrupte dilatatis, subtus striato-plicatis laevibus parce setulosis. — *Th. pannosa Fr. syst. I. 430. Th. pannosa et pallida Pers. syn. 565. Craterella pannosa Pers. icon. t. 1. f. 3. Helvella pannosa Sowerb. t. 155.*

In fagetis umbrosis German. boreal., raro. (*Persoon.*)

β. fistulosi, ascomatibus ex alteraquaque (in resupinatis superiore, in sessilibus stipitatisque inferiore) parte, tubulos connatos s. inter se accedentes, intus hymenio ascophoro vestitos exserentibus iisque veluti strato poroso regulari expuncto obsessis.

(*Fungi polyporei Fr. Dub.*) Ex impressionibus foraminulosis fiunt pori et tubuli s. meatus fistulosi.

338. POLYPORUS MICH. *Löcherschwamm.*

Ascoma fibroso-floccosum stuppeum lentum, ex averso (s. resupinationis casu interveniente) antica parte stratum porosum concretum, ex poris cylindricis jugiter connexis, hinc clausis, hinc apertis, intus hymenio ascophoro aequaliter vestitis compositum exserens, foraminulisque quasi expunctum. Asci tennes soluti, sporidiis exiguis foeti.

(*Polyporus Mich. Juss. Fr. emend. Favolus et Mesoporus Palis. Beauv. Mison, Agaricon, Poria Adans. Boleti sp. L. et auct. ante Fr. B. sicciovis substantiae Wahlenb. B. concreti Spr. syst. Thelephorae tribus Stereum Fr. Stereum Lk. pr. pr.*)

A. ***resupinati****, ascomatibus inter initia, (sive ex stirpis natura, sive contra illam) fibroso-obtextis expansi partemque superiorem reclinando occultantibus, superne in tubulos favosos cylindricosve, obliquos s. rectos, integros et hiantes succrescentibus stratumque resupinatum cubilibus arcte adnatum, poris expunctum mentientibus. (Polypori resupinati et polystictae Fr.)* Plurimae sp. suspectae, aliarum initia, resupinationis casu intercurrente pessumdata, alio tempore suis locis inserenda.

* *favosi, ascomatis effusi tenuati strato superiore poris superficialibus, favi instar expunctis. (Polyporus C. Polysticta Fr.)*

2868. *P.* ***reticulatus*** *Nees*, ascomatibus tenuissimis resupinatis byssinis determinatis albis fugacibus, dein poros distantes cupuliformes pulverulentos concolores informantibus. — *P. reticulatus Nees syst. f.* 225. *Fr. syst. I.* 385. *Poria reticulata Ehrenb. Boletus reticulatus Pers. syn.* 548.

Ad ligna pinea, aestate uda.

** *fistulosi, ascomatibus resupinatis, poris saepius obliquis.*

° *leucospori, tubulis intus albis.*

2869. *P.* ***terrestris*** *Fr.*, ascomatibus effusis delicatis byssinis albis, centro poris minutissimis dein re-

fescentibus expunctis. — *Fr. syst. I.* 383. *Boletus terrestris Pers. icon. t.* 16. *f.* 1.

Ad terram nudam, locis humectis rarius.

2870. *P. molluscus Fr.*, ascomatibus effusis tenuibus mollibus albis, ambitum fimbriato-fibrillosum spargentibus centroque poros tenuissimos subrotundos angulatos sublaceros informantibus. — *Fr. syst. I.* 384. *P. concentricus Pers. myc. Boletus epiphyllus Pers. Alb. et Schw. B. molluscus Pers. syn. Flor. dan. t.* 1299. *B. latus Sowerb. t.* 387. *f.* 9.

Ad truncos mucidos foliaque vicina passim.

2871. *P. Vaillantii Fr.*, ascomatibus byssinis effusis albis contiguis costatis, dein membranulam rufescentem basi radicantem mentientibus, supra poris majusculis oblongis irregularibus conglomeratis inscriptis. — *Fr. syst. I.* 383. *Boletus Vaillantii DC. gall. VI.* 38. *Agaricus cryptarum Palis. P. Medulla panis Sowerb. t.* 326. *P. rangiferinus Pers. myc.* — *Vaill. bot. t.* 8. *f.* 1.

Ad trabes defossas caudicesque humo obtectos Hercyn. infer. talem qualem, nec tamen tubuliferam semel legi.

2872. *P. sanguinolentus Fr.*, ascomatibus albis, primum byssinis orbiculatis, dein effusis magis constipatis ad tactum cruentantibus, supra poris minutis subrotundis inscriptis. — *Fr. syst. I.* 383. *B. sanguinolentus Alb. et Schw. nisk.* 257. *P. terrestris Pers. myc.*

Ad truncos mucidos terramque vicinam rarius.

2873. *P. micans Ehrenb.*, ascomatibus carneo-pallidis, primum ambitum byssinum spargentibus tenuibus, dein poros varios hexagonos acutos informantibus. — *Ehrenb. sylv.* 30. *Fr. syst. I.* 383.

Ad ramum quercinum agri berolin. (*Ehrenberg.*)

2874. *P. Radula Fr.*, ascomatibus effusis mollibus albis, subtus margineque parce villosis, poris angulatis dentatis majusculis, intus saepe puberulis. — *Fr. syst. I.* 383. *Boletus* (*Poria*) *Radula Pers. syn.* 547.

Ad ligna ramosque putrescentes passim.

2875. P. *mucidus Fr.*, ascomatibus effusis subcoriaceo-carnosis mollibus subfluxilibus candidis, ambitu byssino succinctis, poris subrotundis sublaceris. — *Fr. syst. I.* 382. *Boletus mucidus Pers. syn.* 546. *Alb. et Schw. nisk.* 254.

Ad truncos cariosos pineos rarius.

2876. P. *Cerasi Fr.*, ascomatibus orbiculatis tenuissimis albis dein confluentibus, ambitu tomentoso cinctis, poris laceris, hymenio sinuoso-poroso. *Fr. syst. I.* 382. *Hydnum Cerasi DC. gall. VI.* 36. *Sistotrema Cerasi Pers. syn.* 552. *Odontia Cerasi Pers. obs.*

Ad truncos Cerasi et Betulae rarius. (*Persoon.*)

2877. P. *vaporarius Fr.*, ascomatibus stipatis seriatis tenuatis siccis albido-pallescentibus glaberrimis, poris magnis laceris angulatis. — *Fr. syst. I.* 382. *P. incertus Pers. myc. Boletus vaporarius Pers. syn.* 545. *Alb. et Schw. nisk.* 256. *Poria vaporaria Pers. disp.*

Ad ligna pinea et populina cariosa in vaporariis.

2878. P. *vitreus Fr.*, ascomatibus effusis carnosis crassiusculis undulatis aquose-albidis subhyalinis, ambitu parce villosulo cinctis, poris minimis obliquis. — *Fr. syst. I.* 381. *Boletus vitreus Pers. syn.* 545. *Poria vitrea Pers. obs.*

Ad truncos fagineos passim.

2879. P. *vulgaris Fr.*, ascomatibus longe-effusis tenuibus siccis laevibus albis, poris exiguis aequalibus subrotundis. — *Fr. syst. I.* 381. *P. obducens et versiporus Pers. myc. Boletus tunicatus Schum. B. Proteus Bolt. t.* 166. *B. cellulosus Flor. dan. t.* 716. *B. papyraceus Schrank. B. Medulla panis auct.*

Ad ligna pinea exesa ubertim.

2880. P. *Medulla panis Fr.*, ascomatibus effusis duris glabris crassis subundulatis siccis albis, poris elongatis rotundis plerumque obliquis. — *Fr. syst. I.* 380. *P. bibulus Pers. myc. Boletus M. panis Pers. syn.* 544. *Alb. et Schw.* 256. *B. firmus Spr. mant. I.* 22.

Ad ligna fabrefacta prostrata passim.

ascomatibus expansis. — *Fr. syst. I.* 383. *Boletus terrestris Pers. icon. t.* 16. *f.* 1.

Ad terram nudam, locis humectis rarius.

2870. *P. molluscus Fr.*, ascomatibus effusis tenuibus mollibus albis, ambitum fimbriato-fibrillosum sparsentibus centroque poros tenuissimos subrotundos angulatos sublaceros informantibus. — *Fr. syst. I.* 384. *P. semicostricus Pers. myc. Boletus epiphyllus Pers. Alb. et Schw. B. molluscus Pers. syn. Flor. dan. t.* 1299. *B. latus Sowerb. t.* 387. *f.* 9.

Ad truncos mucidos foliaque vicina passim.

2871. *P. Vaillantii Fr.*, ascomatibus byssinis effusis albis contiguis costatis, dein membranulam rufescentem basi radicantem mentientibus, supra poris majusculis oblongis irregularibus conglomeratis inscriptis. — *Fr. syst. I.* 383. *Boletus Vaillantii DC. gall. VI.* 38. *Agaricus crypturum Pulis. P. Medulla panis Sowerb. t.* 326. *P. vaporiformis Pers. myc. — Vaill. bot. t.* 8. *f.* 1.

Ad trabes defossas caudicesque humo obtectos Hercyn. Isfer. talem qualem, nec tamen tubuliferum semel legi.

2872. *P. sanguinolentus Fr.*, ascomatibus albis, primum byssinis orbiculatis, dein effusis magis constipatis ad tactum cruentantibus, supra poris minutis subrotundis inscriptis. — *Fr. syst. I.* 383. *B. sanguinolentus Alb. et Schw. misk.* 257. *P. terrestris Pers. myc.*

Ad truncos mucidos terramque vicinam rarius.

2873. *P. micans Ehrenb.*, ascomatibus carneo-pallidis, primum ambitum byssinum sparsentibus tenuibus, dein poros varios hexagonos acutos informantibus. — *Ehrenb. sylv.* 30. *Fr. syst. I.* 383.

Ad ramum querninum agri berolin. *(Ehrenberg.)*

2874. *P. Radula Fr.*, ascomatibus effusis mollibus albis, subtus margineque parce villosis, poris angulatis obsoletis majusculis, intus saepe puberulis. — *Fr. syst. I.* 383. *Boletus (Poria) Radula Pers. syn.* 547.

Ad ligna ramosque putrescentes passim.

2887. *P. ferruginosus Fr.*, ascomatibus effusis crassis ferrugineo-spadiceis duris, poris subrotundis inaequalibus subobliquis. *Fr. syst. I.* 378. *Boletus ferruginosus Schrad. spic.* 172. *Pers. syn.* 544.

Ad truncos alneos, in P. cuticularis consortio, cujus forsan initia resupinata.

2888. *P. contiguus Fr.*, ascomatibus longe effusis crassis glabris ferrugineis, poris majusculis aequalibus. — *Fr. syst. I.* 378. *Boletus contiguus Pers. syn.* 544.

Ad palos januasque hortorum passim.

B. apodes, ascomatibus dimidiato-pileatis, e latere sessilibus horizontalibus marginatis simplicibus, subtus strato tubulorum ascophoro obsessis, saepius ex monstri casu et cum strati ascophori situ inverso imbricatis, multipliciter lobatis s. effuso-resupinatis, annuis perennibusve, nonnisi amorphis lobatis s. primitus in monstra rhacodes s. thelephorea desciscentibus. — (Polypori tribus 3. Merismatis sp. et tribus 4. Apus Fr. Nees. Thelephorae tribus Stereum Fr. Stereum L. B. retiporei Batsch. B. acaules L. Schrad.)

† *leucospori, ascomatibus substantia variis, tubulis intus albis, demum magis minusve evidenter pallescentem flaventem inducentibus.*

* *coriacei, ascom. coriaceis s. suberosis.*

2889. *P. Necsii Fr.*, ascomatibus coriaceo-suberosis tenacissimis tenuatis laevibus glabris (raro pubentibus) azonis albis plerumque imbricatis, poris obtusis subrotundis exiguis, intus albis. — *Fr. syst. I.* 370., *elench. I.* 91.

Ad ramos caudicesque fagineos rarius.

2890. *P. versicolor Fr.*, ascomatibus coriaceis annuis, e basi tenuata adnata in pileum dimidiato-flabelliformem aequaliter deplanatum expansis, intus candidis laxe, supra membrana tenui stipata, extus vellere sericeo laxe adpresso splendente versicolore, fasciis saturatioribus semicircularibus variegato velatis, subtus ex strato velutino albo, dein poros rotundos concolores, primum [illegible]

** *phaeospori, poris intus e rosa fuscescentibus.*

2881. *P. incarnatus Fr.*, ascomatibus demum effusis suberoso-coriaceis persistentibus glabris dilute incarnatis, poris inaequalibus rectis obliquisque. — *Fr. syst.* I. 379. *P. nisetiensis et cruentus Pers. myc. Boletus incarnatus Pers. syn.* 546. *Alb. et Schw. nisk.* 258.

Ad ligna abietina (Hercyn.) passim.

2882. *P. bicolor W.*, ascomatibus demum effusis resupinatis, intus subtusque grumoso-fibrosis friabilibus vivide roseis fragilissimis, tubulis erectis cylindricis glabris aequalibus, primum laete roseis, dein miniato-cinnamomeis s. fulvis.

Ad asseres abietinos Hercyn. infer. horizontaliter expansus.

2883. *P. violaceus Fr.*, ascomatibus resupinatis, primum subrotundis arcte adnatis, dein effusis dilute violaceis, ambitu pallidiore cinctis, poris centralibus subrotundis concoloribus. — *Fr. syst. I.* 379. *Boletus nitidus p. violascens Alb. et Schw. nisk.* 258.

Ad ligna pinea et abietina Lusat. v. c. (*Alb. et Schw.*).

2884. *P. nitidus Fr.*, ascomatibus resupinatis effusis confluentibus flavis tenuibus, ambitum sterilem sublobatum pallidiorem spargentibus, poris arcte concretis brevissimis rectis subrotundis. — *Fr. l. l. Poria nitida Pers. obs.*

Ad ramos fagineos Hercyn. super. (*Persoon.*)

2885. *P. rufus Fr.*, ascomatibus effusis coriaceis rufis, poris minutissimis rotundatis. — *Fr. syst. I.* 379. *Boletus rufus Schrad. spic.* 172.

Ad corticem putres Hercyn. (*Schrader.*)

2886. *P. obliquus Fr.*, ascomatibus duris contiguis crassiusculis latissime expansis spadiceis, margine erectiusculo cristato cinctis, poris minutis decumbentibus. — *Fr. syst. I.* 378. *P. incrustans et umbrinus Pers. myc. Boletus obliquus Pers. syn.* 548.

Ad truncos putridos similem legi. Aestate.

m. **appendiculata**, ascom. initiis compressis porrectis, m-
tice in pileum sive rite figuratum infundibuliformem (f.
infundibuliformis Alb. et Schw.) subtus pororerum strata
marginato velati prolifero-resupinato connato auctum di-
latatis, postice in appendiculum compressum, utrinque vel-
lere sericeo pallido azono aequaliter vestitum prodartis
coque velati stipitatis (*Boletus versicolor γ. stipitatus
A. et Schw. Humb. frib.* 74. *ceu lusus cryptophilus sce-
sim suisve locis in ipsum P. cryptarum Fr.* abiens, ejus
monstri saltem naturam eximie illustrans insignia largiuntur.)

2891. P. *radiatus Fr.*, ascomatibus biennibus subero-
roso-coriaceis subimbricatis deplanatis, e basi ferrugino
supra radiato-striatis velutinis fusco-latescentibus, pori
rotundis albis s. sordide flaventibus nitidis vibrantibus
exiguis. — *Fr. syst.* I. 369. *P. lutescens Pers. myc. B.
letus radiatus auct.*

Ad truncos arborum rarius.

2892. P. *velutinus Fr.*, ascomatibus coriaceo-su
erosis, primum convexiusculis, dein depressis tenuatis
bidis velutinis subzonatis, poris aequalibus rotundis al
s. pallido-latescentibus. — *Fr. syst.* I. 368. *B. velati
Pers. syn.* 539. (*forma alba.*) *B. lutescens Pers.*
(*f. lutescens.*)

Ad caudices arborum passim.

2893. P. *hirsutus Fr.*, ascomatibus coriaceo-
erosis utrinque deplanatis subreniformibus elevato-s.
goso-zonatis albidis, poris rotundis obtusis e pallid
nerascentibus dein fuscescentibus, intus albis. — Fr
I. 367. *Boletus hirsutus Schrad. spic.* 169.

In iisdem cum reliquis locis passim. Aestate.

2894. P. *zonatus Fr.*, ascomatibus subero
riaceis tenacissimis subgregariis semiorbiculatis,
crassiuscula sensim deplanatis, intus stipato-flocco
lide-stramineis, extus versicoloribus (saepius h
vellere tenui stipato dein basin versus in squa
cosas carnosulas cotunte superficie plicato-v

subzonatis, margine tenuato aporis, poris subangulatis tenuatis, primum albis dein helvolis, intus albidis. — *Fr. syst. I.* 368. *P. leucoma et angulatus Pers. myc.* — *Boletus zonatus Nees syst. f.* 221. *B. multicolor Schaeff. t.* 269. (*lusus pileo ochraceo, fasciis cinereis.*) — *B. ochraceus Pers. syn.* 539. *Alb. et Schw. nisk.* 253. (*l. pileo ochraceo concolore.*) *B. placenta et angulatus Schum.* (*l. pileo cinereo s. grysco.*)

Ad arborum, Populorum praeprimis et Ulmorum caudices rarius.

2895. *P. rubiginosus W.*, ascomatibus coriaceo-suberosis dein subligneosis, e basi truncata adnata in pileum dimidiatum obtusiusculum abrupte dilatatis, e stupa filamentosa fulvo-ferruginea supra tegmen stipatum rugosum, volvis semicircularibus elevatis exaratum, subtus e strato velutino ferrugineo-canescente tubulos rotundos obtusos hymenio albido, setulis septatis ferrugineis prominentibus horridulo obductos informantibus, raro simplicibus, saepius inter initia in monstra rhacodea, thelephorea et resupinata desciscentibus, perennibus. — *Polyporus Ribis Fr. syst. I.* 375. (*l. tenuatus, imbricatus.*) *P. odoratus Fr. l. l. Boletus annulatus Schaeff. t.* 106. (*l. ungulatus.*)

α. m. rhacodes, hygrophilum, ascomatis initiis filamentosis fulvo-ferrugineis asynthetῶς succrescentibus hyphamque laxe intertextam foras effusam penitiusque penetrantem, sive inconditam sterilem, sive finibus extremis ascophoris membranam setulosam laxe stipatam mentientibus. — *Racodium Aluta, subcorticale et strigosum Pers. myc. I.* 69. *pr. pr. Hyphasma flavescens Rebent. neom.* 397. *pr. pr.* (*ceu lusus steriles effusi.*) *Thelephora cinnamomea Pers. myc. I.* 141. *Fr. elench. I.* 201.

β. m. xylostromaticum, scotophilum, ascomatis initiis filamentosis asynthetis in stratum effusum immarginatum suberosum crassiusculum cinnamomeum arcte adnatum coactis, ex *finibus extremis* ascophoris dilutioribus *hymenium obsoletum setulosum* informantibus. — Thele-

phora corrugata Fr. obs. I. 134., *elench.* 224. *Pers. Th. Padi Pers. l. l. Grev. scot. t.* 234. *Th. fusco-purpurascens Pers.*

γ. m. thelephoreum, heliophilum, ascomatis initiis syntheticis rigidis membranaceis, primum cupularibus, dein sive resupinatis xylostromoideis, sive in pileos dimidiatos, hinc simpliciter decursiveque adnatos, supra volvis semicircularibus elevatis dein glabrescentes nitidos, subtus contiguos irregulariter papillosos, hymenio caesio ferrugineo-setuloso vestitos succrescentibus thelephoroideis, perennibus, siccando fragilissimis. — *Thelephora rubiginosa Schrad. spic.* 185. *Pers. syn.* 567. *Flor. dan. t.* 1619. *f.* 2. *Fr. syst.* 436. *nec Nees. Stereum rubiginosum Lk. obs. I.* 47. *f.* 62. *Auricularia ferruginea Bull. t.* 378. *Th. fragilis Ehrh.*

δ. m. resupinatum, scotophilum, ascomatis initiis stuppeis rufo-ferrugineis, primum laxe intertextis dein magis saepius contiguo-constipatis horizontaliter expansis aequaliter interruptoque stratosis pulvinatisve arcte adnatis immarginatis, supra velutinis impresso-porosis s. tubulis obliquis supinatis, intus caesiis setulosis exaratis. — *Polyporus salicinus Fr. syst. I.* 376. *Boletus salicinus Pers. syn.* 543. *Alb. et Schw. nisk.* 255.

Ad arborum quarumcunque caudices earumque cortices; m. *α.* potissimum ad ligna putredine uda corrupta molliora, salicina, tiliacea eaque sive hyphae ferrugineae instar obreptando, sive penetrando siguans; *β.* ad ramulos humi jacentes rarius; *γ.* ad caudices (quercinos praeprimis) et asseres soli expositos; *δ.* lubentius intra Salices cavas caudicesque quercinos. (Stirps incertis veluti aberrationibus obnoxia, ex monstris variis intercurrentibus, aliter interpretatis, ambitum, me interprete, amplissimum adficiens.)

2896. *P. gilvus Fr.*, ascomatibus suberosis mollibus, e basi subaequali semiorbiculatis margine tenuatis, intus e stupa filamentosa aurea supra tegmen stipatum regis tenuibus concentricis exaratum, subtus e strato velutino fulvo tubulos rotundos minutissimos obtusiusculos, hymenio caesio, setulis septatis ferrugineis prominulis hor-

rido vestitos informantibus, raro simplicibus, saepius incumbentibus interve initia in monstra resupinata et thelephorea flacca desciscentibus. — *P. gilvus Fr. elench.* 104. (*sp. extorris.*)

α. m. thelephoreum, ascomatis initiis ut in P. rubiginosi m. γ. homonymo, at primum aureo-marginatis multoque mollioribus flexilibus. — *Thelephora tabacina Fr. syst. I.* 437. *Th. ferruginea Pers. syn.* 569. *Th. variegata Schrad. Auricularia tabacina Sowerb. t.* 25. *A. nicotiana Bolt. t.* 174.

Ad arborum truncos German., in boreali saltem praecedente multo rarius. (Stirps cum praecedente analoga, aegre et vix nisi stupa intus dilutiore deaurata, pileos molliores minusque rigidos, sequaces informante et poris duplo minoribus praeter alias notas externas dignoscenda, et suis locis ad eadem monstra gignenda, ex quorum numero m. resupinatum *Polypori pectinati* nomine *Klotzschio* cel. innotuit, facta.)

2897. *P. cuticularis Fr.*, ascomatibus carnoso-suberosis perennibus, e basi crassiore nonnisi subeffusa s. subtriquetra lignosa in pileos semicirculares saepius incumbentes margine inflexo tenuatos deplanatis, intus stupa filamentosa fulva in superficiem primum strigosam dein plicato-rugosam ferrugineam confluente, demum calvescente novumque tegmen crustaceum superinducente farctis, poris nitidis tenuatis exiguis, intus caesiis argenteo-micantibus. — *P. cuticularis Fr. syst. I.* 363. *P. argentatus Ehrenb. Boletus triqueter et alneus Pers. syn.* 528. *B. impuber Sowerb. t.* 195. *B. cuticularis Bull. t.* 462.

Ad candices arborum caesarum, Alni praesertim et Quercus, Fagi, Populi, Betulae et Pini frequens.

2898. *P. suaveolens Fr.*, ascomatibus suberosis elasticis biennibus, e basi sursum incrassata in pileum semicircularem brevem obtuse-cuneatum acute marginatum abrupte desinentibus solitariis, intus stupa floccosa candida elastica in superficiem concolorem villosam azonam laxe contexta farctis, poris majusculis candidis, pri-

phora corrugata Fr. obs. I. 134., *elench.* 224. *Pers. Th. Padi Pers. l. l. Grev. scot. t.* 234. *Th. fusco-purpurascens Pers.*

γ. m. thelephoreum, heliophilum, ascomatis initiis synthetici rigidis membranaceis, primum cupularibus, dein sive resupinatis xylostromoideis, sive in pileos dimidiatos, hinc simpliciter decursiveque adnatos, supra volvis semicircularibus elevatis dein glabrescentes nitidos, subtus contiguos irregulariter papillosos, hymenio caesio ferrugineo-setuloso vestitos succrescentibus thelephoroideis, perennibus, siccando fragilissimis. — *Thelephora rubiginosa Schrad. spic.* 185. *Pers. syn.* 567. *Flor. dan. t.* 1619. *f.* 2. *Fr. syst.* 436. *nec Nees. Stereum rubiginosum Lk. obs. I.* 47. *f.* 62. *Auricularia ferruginea Bull. t.* 378. *Th. fragilis Ehrh.*

δ. m. resupinatum, scotophilum, ascomatis initiis stuppeis rufo-ferrugineis, primum laxe intertextis dein magis saepius contiguo-constipatis horizontaliter expansis aequaliter interruptoque stratosis pulvinatisve arcte adnatis immarginatis, supra velutinis impresso-porosis s. tubulis obliquis supinatis, intus caesiis setulosis exaratis. — *Polyporus salicinus Fr. syst. I.* 376. *Boletus salicinus Pers. syn.* 543. *Alb. et Schw. nisk.* 255.

Ad arborum quarumcunque caudices earumque corrices; m. *α.* potissimum ad ligna putredine uda corrupta molliora, salicina, tiliacea eaque sive hyphae ferrugineae instar obreptando, sive penetrando signans; *β.* ad ramulos humi jacentes rarius; *γ.* ad caudices (quercinos praeprimis) et asseres soli expositos; *δ.* lubentius intra Salices cavas caudicesque quercinos. (Stirps incestis velati aberrationibus obnoxia, ex monstris variis intercurrentibus, aliter interpretatis, ambitum, me interprete, amplissimum adficiens.)

2896. ***P. gilvus Fr.***, ascomatibus suberosis mollibus, e basi subaequali semiorbiculatis margine tenuatis, intus e stupa filamentosa aurea supra tegmen stipatum rugis tenuibus concentricis exaratum, subtus e strato velutino fulvo tubulos rotundos minutissimos obtusiusculos, hymenio caesio, setulis septatis ferrugineis prominulis hor-

rido vestitos informantibus, raro simplicibus, saepius incumbentibus interve initia in monstra resupinata et thelephorea flacca desciscentibus. — *P. gilvus Fr. elench.* 104. (*sp. extorris.*)

α. m. thelephoreum, ascomatis initiis ut in P. rubiginoso m. γ. homonymo, at primum aureo-marginatis multoque mollioribus flexilibus. — *Thelephora tabacina Fr. syst. I.* 437. *Th. ferruginea Pers. syn.* 569. *Th. variegata Schrad. Auricularia tabacina Sowerb. t.* 25. *A. nicotiana Bolt. t.* 174.

Ad arborum truncos German., in boreali saltem praecedente multo rarius. (Stirps cum praecedente analoga, aegre et vix nisi stupa intus dilutiore deaurata, pileos molliores minusque rigidos, sequaces informante et poris duplo minoribus praeter alias notas externas dignoscenda, et suis locis ad eadem monstra gignenda, ex quorum numero m. resupinatum *Polypori pectinati* nomine *Klotzschio* cel. innotuit, facta.)

2897. *P. cuticularis Fr.*, ascomatibus carnoso-suberosis perennibus, e basi crassiore nonnisi subeffusa s. subtriquetra lignosa in pileos semicirculares saepius incumbentes margine inflexo tenuatos deplanatis, intus stupa filamentosa fulva in superficiem primum strigosam dein plicato-rugosam ferrugineam confluente, demum calvescente novumque tegmen crustaceum superinducente farctis, poris nitidis tenuatis exiguis, intus caesiis argenteo-micantibus. — *P. cuticularis Fr. syst. I.* 363. *P. argentatus Ehrenb. Boletus triqueter et alneus Pers. syn.* 528. *B. impuber Sowerb. t.* 195. *B. cuticularis Bull. t.* 462.

Ad caudices arborum caesarum, Alni praesertim et Quercus, Fagi, Populi, Betulae et Pini frequens.

2898. *P. suaveolens Fr.*, ascomatibus suberosis elasticis biennibus, e basi sursum incrassata in pileum semicircularem brevem obtuse-cuneatum acute marginatum abrupte desinentibus solitariis, intus stupa floccosa candida elastica in superficiem concolorem villosam azonam laxe contexta farctis, poris majusculis candidis, pri-

mum obtusis dein tenuatis, hymenio tenui albo, cito pallidius flavente vestitis stratumque inferius pallide-fuscescens mentientibus, suaveolentibus. — *Fr. syst. I.* 366. *Boletus suaveolens L. Willd. Pers. syn.* 530. *B. suberosus Bolt. t.* 162.

Ad Salicem albam et fragilem, v. c. Thuring. copiose. (Recens radices Iridis florentinae fere spirat.)

2899. *P. populinus Fr.*, ascomatibus carnoso-suberosis e basi incrassata in pileum semicircularem acute marginatum productis subimbricatis, poris parvis rotundis utrinque albis. — *Fr. syst. I.* 367. *Flor. dan. t.* 1791.

Ad truncos Populi tremulae passim. (Praecedenti similis simulac in monstris resupinatis proferendis decipiens.)

2900. *P. fumosus Fr.*, ascomatibus carnoso-fibrosis biennibus subcaespitosis, e basi crassiuscula dimidiatis undulatis acute marginatis, intus fibrosis albis, supra glabriusculis s. sericeis, halitu gryseo superfusis, fuliginoso-pallidis s. testaceis, poris curtis minutis albis conoloci-

a. annotinus, ascom. supra rufo-fulvis, margine lachrymante tuberculosis, poris pallidis. — *P. marginatus Fr. syst. I.* 372., *clench.* 105. *Boletus fulvus et marginatus Schaeff. t.* 137. 262. *Pers. syn.* 534.

β. perennis, ascom. dilatatis, supra inaequabilibus nigrescentibus, margine rubentibus, poris magnis flavescentibus. — *P. pinicola Fr. syst. I.* 372. *Boletus igniarius Flor. dan. t.* 953. *Pers. syn.* 534. *B. ellipticus Pers. B. sanguineus Liljebl. B. pinicola Sw. B. semiovoideus Schaeff. t.* 270.

Ad truncos, praeprimis abietinos et pineos passim, apo non ad fagineos, betulinos et pyrinos rarius.

2902. *P. dryadeus Fr.*, ascomatibus perennibus explanatis mollibus crassis tuberculosis subcinnamomeis, margine tumidis, poris exiguis curtis albidis mox fuscescentibus. — *Fr. syst. I.* 374. *Boletus dryadeus Pers. syn.* 537. *B. pseudo-igniarius Bull. t.* 458.

Ad caudices quercinos passim.

2904. *P. fomentarius Fr.*, ascomatibus perennibus glabris subriquetris dein duris lignescentibus magnis, intus spongiosis mollibus, supra fuligineo-canescentibus, marginem tenuem versus fasciis cinereis nigricantibusque obsolete zonatis, tubulis stratosis tenuissimis pallido-glaucis dein ferrugineis. — *Fr. syst. I.* 374. *B. fomentarius L. Willd. Sowerb. t.* 133. *Pers. obs. Alb. et Schw. Polyp. conchatus Fr. syst. l. l. et Boletus conchatus Pers.* (*monstrum conchatum.*) *B. igniarius Scop. B. ungulatus Bull. t.* 491.

Ad truncos et caudices, fagineos praeprimis, minime raro. (Cryptophilus monstris satis peculiaribus ortum debet.)

2905. *P. applanatus Pers.*, ascomatibus glabris dimidiatis, e basi sursum incrassata, ad marginem tenuatum deplanatis dilatatis perennibus demum sublignescentibus, intus strato stuposo molli ferrugineo farctis, supra rufescentibus, valleculis concentricis exaratis, tubulis subrotundis tenuatis concoloribus, intus albo-caesiis. — *P.*

fomentarius b. dilatatus Fr. l. l. Boletus lipsiensis Batsch cont. 1. *f.* 130. *B. applanatus Pers. l. l.*

Ad truncos Salicis et Tiliae, Saxon. et Thuring. passim.

2906. *P. igniarius Fr.*, ascomatibus primum tuberoso-strumosis dein dimidiatis, stratis annotinis subtus succrescentibus marginemque convexum circumducentibus crassis ungulaeformibus lignescentibus perennibus, saepe in monstra resupinata desciscentibus, supra primum tomento arachnoideo cinereo tenui obtectis, dein glabrescentibus sordide-fuscis, intus stipato-stuposis fusco-castaneis, tubulis angustis obtuse-marginatis, intus caesiis. — *Fr. syst. I.* 375. *P. loricatus Pers. myc. P. strigosus et pomaceus Pers. pr. pr. P. torulosus Pers. Boletus ungulatus et obtusus Pers. B. fulvus Willd. B. igniarius L. — Bull. t.* 361.

Ad truncos salicinos et fraxineos abundat; ad arbores pruniferas domesticas vero saepius monstra resupinata (*P. igniarius b. minor Fr. l. l. B. strigosus Schaltz. B. pomaceus Pers. B. fulvus Scop. B. Prunastri Pers. syn.* 538.) profert et in cryptis in monstra effusa subspongiosa amorpha deflectit.

** *carnosi, ascomatibus carnosis plerumque annuis, quibusdam deformiter lobatis.* (*P. Merisma Fr. pr. pr.*)

2907. *P. mollis Fr.*, ascomatibus annuis fibroso-carnosis subtriquetris, margine acutis mollibus saepius imbricatis, supra rugosis pallide incarnatis, poris inaequalibus subflexuosis albis. — *Fr. syst. I.* 360. *Boletus mollis Pers. syn.* 526.

Ad truncos pineos rarius. Aestate sera.

2908. *P. stipticus Fr.*, ascomatibus tenacellis carnosis annuis, e basi incrassata in marginem rufescentem deplanatis plerumque imbricatis albidis, poris subrotundis concoloribus s. pallide-flaventibus. — *Fr. syst. I.* 358. *Boletus stipticus Pers. syn.* 525.

Ad truncos pineos et abietinos passim. Auctumno.

2909. *P. fragilis Fr.*, ascomatibus carnosis fragi-

libus, e basi porrecta superne strigoso-rugosa albida subtus gibbosa crassiuscula in marginem acutum deplanatis, intus dilute fuscescentibus, tubulis tenuibus longissimis flexuosis angustissimis. — *Fr. elench. I.* 86. *Boletus mollis β. Alb. et Schw.* 247.

Ad caudices abietinos putredine exesos Lusatiae (*Alb. et Schweiniz.*)

2910. *P. destructor Fr.*, ascomatibus inconditis inaequalibus albidis, saepius effusis mollibus fibrosis glabris rugosis, poris subrotundis obtusis integris lacerisve. — *Fr. syst. I.* 359. *Boletus destructor Schrad. spic.* 166. *Pers. syn.* 543. *B. sebaceus Leyss. hal. (albido-spadiceus.)*

Ad truncos putredine uda exesos nec non ad ligna fabrefacta domestica. Hyeme leni.

2911. *P. betulinus Fr.*, ascomatibus carnosis glabris, junioribus subovatis mollibus, adultis e basi obesa producta (stipitiformi) subreniformi polymorphis, supra pellicula separabili rufescente tectis, poris inaequalibus albis, ore denticulatis. — *Fr. syst. I.* 358. *Grev. scot. t.* 229. *Boletus suberosus L. suec. Wahlenb. B. sutorius Scop. B. betulinus Bull. t.* 312. *Flor. dan. t.* 1254. *Pers. syn.* 535.

Ad caudices betulinos passim.

2912. *P. caesius Fr.*, ascomatibus tenacellis tenuibus annuis polymorphis, nunc effuso-reflexis, nunc triquetris, nunc in basin productis subinfundibuliformibus, supra subsericeis albido-caesiis, poris exiguis albis plerumque laceris. — *Polyporus caesius Fr. syst. I.* 360. *Boletus caesius Schrad. spic.* 167. *Pers. syn.* 526. *B. candidus Roth cat. B. albidus Schaeff. t.* 124.

Ad truncos pineos, abietinos et fagineos passim.

2913. *P. alligatus Fr.*, ascomatibus carnoso-fibrosis sessilibus villosis inaequalibus azonis subisabellinis imbricato-multipliciterque lobatis difformibus, nonnisi in monstra clavata apora desciscentibus, poris minutis albis, dein pallentibus. — *Fr. elench. I.* 78. *Boletus mucidus Scop. ann. hist. nat. IV.* 149.

Ad truncum vetustum Juglandis Thuring. ejus l
vidi incondita et valde deformia. Vere.

†† *tephrospori, hymenio argenteo-cinereo.*

2914. *P. crispus Fr.*, ascomatibus tenaciter-ca
sis tenuibus rugosis cinereo-nigricantibus obsolete z
tis, a basi inde in marginem acutum undulato-cri
nigrescentem tenuatis aequaliterque deplanatis imbri
resupinatisve, poris majusculis inaequalibus argenti
nereis. — *Fr. syst. I.* 363. *Boletus crispus Alb. et S
nisk.* 249. *B. adustus β. crispus Pers. syn.* 529.

Ad truncos putrescentes passim.

2915. *P. adustus Fr.*, ascomatibus tenaciter
nosis, e basi varia (saepius decurrente sterili spori
pileum dimidiatum subflabellarem, margine tenui
membranaceo decolore-nigrescente succinctum aequi
dilatatis, intus stupposis albis in superficiem primum
losulam dein stipatam obtextis, poris minutis rot
velutinis cinereo-micantibus tenuatis, saepius laceris
mumque nigrescentibus. — *Fr. syst. I.* 363. *Porus
genteo Ehrenb. sylv.* 17. (*junior.*) *B. concentricus Sc
B. adustus Willd. berol.* 392. *Schrad. spic.* 168.
l. l. B. carpineus With. Pers. (*pileo magis flavesce
B. pelleporus Bull. t.* 501. *f.* 2. *B. suberosus B
cont. II. f.* 227. *B. fuscoporus Planer.*

Ad caudices arborum caesarum quarumcunque,
non in terra vicina, in agro thuring. ubertim. (Sati
lymorphus consistentia, crassitudine nonnisi papyr
et colore praeter alia monstra resupinata et sistotremoi

2916. *P. abietinus Fr.*, ascomatibus coriacei
midiatis imbricatim congestis effuso-reflexis tenu
superne villosis cinereo-albis margine undulatis,
primum integris angulato-dentatis tenuiter purpura
tibus, dein laceris expallentibus. — *Fr. syst. I.*
elench. 97. *P. dolosus Pers. myc. Boletus incarn
Schum. Flor. dan. t.* 1298. *B. abietinus Dicks. Pers
B. decipiens Liljebl. Hydnum obliquum et fimbria

P. C. gall. VI. 37. H. decipiens Schrad. spic. 180. Sistotrema violaceum Pers. syn. 551. Agaricus decipiens Willd. in Uster. Annal. IV. t. 2. f. 5. Hydnum parasiticum Timm. Willd. berol. Boletus dubius Planer. H. parasiticum Linn. pr. pr.

Ad caudices pineos et abietinos caesos minime rarus, pororum figuratione obscura satis decipiens.

††† *erythrospori, hymenio rusco.*

2917. *P. cinnabarinus Fr.*, ascomatibus suberosis rigidis crassiusculis convexiusculis biennibus utrinque concoloribus cinnabarinis, intus albentibus, supra obsolete zonatis parce pubescentibus dein glabris, poris rotundis majusculis mox pallentibus. — *Fr. syst. I. 371. Boletus coccineus Bull. t. 501. f. 1. B. cinnabarinus Jacq. austr. t. 304. Pers. syn. 540. Alb. et Schw. nisk. 254.*

Ad ramos Pruni avium German. boreal. (*Persoon*), in tractibus australioribus frequentius. (Color externus suspecti quid adfert et quem equidem in Sorbo olim legi, praeter illum habitu ad P. odoratum accedere videtur.)

2918. *P. roseus Fr.*, ascomatibus suberosis triquetris duris, e basi crassa abrupte acuteque marginatis laevibus, extus intusque concolori-roseis, supra fasciis saturatioribus fuliginosis inscriptis, poris intus roseis. — *Fr. syst. I. 372. Boletus roseus Alb. et Schw. nisk. 251.*

In trunco caeso abietino Lusatiae. (*Albertini et Schw.*) (Forsan P. bicolor monstrum hujus resupinatum offert, et B. sanguineus *Schk.* in agro viteberg. lectus ad alterumquemque nec ad Linnaeanum spectat.)

†††† *phaeospori, hymenio fusco-ferrugineo.*

2919. *P. nidulans Fr*, ascomatibus mollibus suberoso-carnosis semicircularibus, supra villosis ochroleucis s. ferrugineo fulvis obsolete zonatis, poris rotundis flexuosis quadrangulis fulvo-testaceis. — *Fr. syst. I. 362. P. lutescens Pers. myc. pr. pr. Boletus versicolor Schaeff. t. 126.*

Ad truncos Fagi et Betulae rarius.

Ad truncum vetustum Juglandis Thuring. ejus initia vidi incondita et valde deformia. Vere.

†† *tephrospori, hymenio argenteo-cinereo.*

2914. *P. crispus Fr.*, ascomatibus tenuiter-carnosis tenuibus rugosis cinereo-nigricantibus obsolete zonatis, a basi inde in marginem acutum undulato-crispum nigrescentem tenuatis aequaliterque deplanatis imbricatis resupinatisve, poris majusculis inaequalibus argenteo-cinereis. — *Fr. syst. I.* 363. *Boletus crispus Alb. et Schw. nisk.* 249. *B. adustus β. crispus Pers. syn.* 529.

Ad truncos putrescentes passim.

2915. *P. adustus Fr.*, ascomatibus tenuiter carnosis, e basi varia (saepius decurrente sterili spora) in pileum dimidiatum subflabellarem, margine tenuissimo membranaceo decolore-nigrescente succinctum aequaliter dilatatis, intus stupposis albis in superficiem primum villosulam dein stipatam obtextis, poris minutis rotundis velutinis cinereo-micantibus tenuatis, saepius laceris demumque nigrescentibus. — *Fr. syst. I.* 363. *Poria argentea Ehrenb. sylv.* 17. *(junior.) B. concentricus Schum. B. adustus Willd. berol.* 392. *Schrad. spic.* 168. *Pers. l. l. B. carpineus With. Pers. (pileo magis flavescente.) B. pelleporus Bull. t.* 501. *f.* 2. *B. suberosus Batsch cont. II. f.* 227. *B. fuscoporus Planer.*

Ad caudices arborum caesarum quarumcunque, nec non in terra vicina, in agro thuring. ubertim. (Satis polymorphus consistentia, crassitudine nonnisi papyracea, et colore praeter alia monstra resupinata et xistotremoidea.)

2916. *P. abietinus Fr.*, ascomatibus coriaceis dimidiatis imbricatim congestis effuso-reflexis tenuibus, superne villosis cinereo-albis margine undulatis, poris primum integris angulato-dentatis tenuiter purpurascentibus, dein laceris expallentibus. — *Fr. syst. I.* 370., *elench.* 97. *P. dolosus Pers. myc. Boletus incarnatus Schum. Flor. dan. t.* 1298. *B. abietinus Dicks. Pers. l. l. B. decipiens Liljebl. Hydnum obliquum et fimbriatum*

2925. *P. sulfureus Fr.*, ascomatibus e basi brevi prodacta imbricatim-connatoque caespitosis, nunc dimidiatis latescentibus, nunc multipliciter lobatis amorphis supra albidis aleuritico-nitrosis s. calvis, primum carnosis flavo-rubellis intus stipato-fibrosis, demum friabilibus dealbatis, poris minutis sulfureis depressis angulatis tenuiter velutinis in stratum tenue dispositis. — *Fr. syst. I.* 357. *Grev. scot. t.* 113. *B. citrinus Planer. Pers. syn.* 524. *Nees syst. f.* 219. *B. sulphureus Bull. t.* 429. *Scoverb. t.* 135. *Sistotrema sulphureum Rebent. B. luteus cerrinus Schrank. B. candicinus Scop. Schaeff. t.* 111. 132. *Flor. dan. t.* 1019. *B. variaceus Huds.*

Ad candices arborum, Pyri praeprimis, Pruni, Fagi, Salicis et Quercus vetustos. Aestate post pluvias calidas saepiter saepe exuberans.

2926. *P. imbricatus Fr.*, ascomatibus glabris, e basi truncata s. rarius producta dimidiatis latescentibus planato-undulatis multipliciter concrescentibus deformibusque deciscentibus fragilibus luteo-fulvis, intus albescentibus, poris minutis pallide-flaventibus, dein fulvo-ferrugineis. — *Fr. syst. I.* 357. *Boletus amaricans Pers. syn.* 531. *B. imbricatus Bull. t.* 366.

β. m. ramosum, ascomatibus monstrosis cylindrico-ramosis, undique poris expunctis luteo-fulvis. *Fr. l. l. Boletus ramosus Bull. t.* 418. *Pers. syn.* 549. *Nees syst. f.* 226.

Ad truncos vetustos fraxineos rarius; *β.* in cryptis ad trabes aedis occurrere dicitur.

C. pleuropodes, ascomatibus stipite proprio lateroli subhorizontali suffultis, dimidiatis integris s. primum lobatis difformibusve.

† *dimidiati, ascom. dimidiatis saepius deformibus.*

2927. *P. candidus W.*, ascomatibus carnosis mollissimis convexis albis parvulis, stipite brevi laterali suffulcis, poris convexis aequalibus. — *Boletus candidus Pers. syn.* 529.

Ad ramulos putres aegri gotting. (*Persoon.*) Ascumam. (*Fries*) auctore P. rarii lusum statit.)

2920. *P. rutilans Fr.*, ascomatibus carnoso-fibrosis mollibus e basi subeffusa obtuse marginatis fragilibus rufescentibus, saepius imbricatis, poris aequalibus ferrugineis nitidis. — *Fr. syst. l. l. Boletus rutilans Pers. icon. t. 6. f. 4., syn. 525.*

Ad truncos Quercus et Sorbi rarius.

2921. *P. hispidus Fr.*, ascomatibus carnoso-fibrosis spongiosis crassis strigoso-villosis ferrugineis annulis, tubulis aequalibus pallide-fuscescentibus longis, senescendo nigrescentibus. — *Fr. l. l. Boletus hispidus Bull. t. 492. (rubens), t. 210 (lutescens.) Pers. syn. 526. Alb. et Schw. nisk. 248. B. velutinus Sowerb. B. spongiosus Lightf. B. hirsutus Scop. B. villosus Huds.*

Ad truncos ramosque languidos Quercus et Pyri passim.

†††† *ochrospori, hymenio citrino-flavente.*

2922. *P. amorphus Fr.*, ascomatibus carnoso-tenacibus effuso-reflexis imbricatis resupinatisque incondite sericeis candidis, tubulis minutis dein flavis. — *Fr. syst. I. 364. P. irregularis Pers. myc. II. 75. Poria nitida β. Alb. et Schw. nisk. 258.*

Ad truncos pineos et abietinos passim.

2923. *P. croceus Fr.*, ascomatibus carnoso-suberosis effuso-reflexis tomentosis lutescentibus, poris majusculis inaequalibus croceis. — *Fr. syst. I. 364. Boletus croceus Pers. syn. 525.*

Ad truncos cariosos quercinos rarius.

2924. *P. officinalis Fr.*, ascomatibus crassis suberoso-carnosis mollibus lentis, siccando spongiosis friabilibus ungulatis zonatis glabris albo-pallentibus, poris lutescentibus tenuibus. — *Fr. syst. I. 365. P. Laricis Dub. gall. II. 788. B. Laricis Jacq. Bull. t. 353. B. purgans Pers. syn. 531. B. Agaricus Allion. B. officinalis Vill. — Mich. t. 61. f. 1.*

Ad truncos Pinus Laricis in Germaa. austral. montibus editioribus et praesertim carinthiacis abundat.

. *P. sulfureus Fr.*, ascomatibus e basi bre-
oducta imbricatim-connatoque caespitosis, nunc
is latescentibus, nunc multipliciter lobatis amor-
ra albidis aleuritico-nitrosis s. calvis, primum
flavo-rubellis intus stipato-fibrosis, demum fria-
lealbatis, poris minutis sulfureis depressis angu-
uiter velutinis in stratum tenue dispositis. —
. *I.* 357. *Grev. scot. t.* 113. *B. citrinus Planer.*
n. 524. *Nees syst. f.* 219. *B. sulphureus Bull. t.*
rerb. t. 135. *Sistostrema sulphureum Rebent. B.*
cervina Schrank. *B. caudicinus Scop. Schaeff. t.*
t. *Flor. dan. t.* 1019. *B. coriaceus Huds.*
caudices arborum, Pyri praeprimis, Prunі, Fagi,
t Quercus vetustos. Aestate post pluvias calidas
r saepe exuberans.

. *P. imbricatus Fr.*, ascomatibus glabris, e
ncata s. rarius producta dimidiatis latescentibus
undulatis multipliciter concrescentibus deformi-
desciscentibus fragilibus luteo-fulvis, intus albe-
s, poris minutis pallide-flaventibus, dein fulvo-
eis. — *Fr. syst. I.* 357. *Boletus amaricans Pers.*
. *B. imbricatus Bull. t.* 366.
. *ramosum*, ascomatibus monstrosis cylindrico-
undique poris expunctis luteo-fulvis. *Fr. l. t. Bo-*
nosus Bull. t. 418. *Pers. syn.* 549. *Nees syst. f.* 226.
runcos vetustos fraxineos rarius; *β.* in cryptis
s udas occurrere dicitur.

Leuropodes, ascomatibus stipite proprio late-
horizontali suffultis, dimidiatis integris s. primi-
tis difformibusve.

midiati, ascom. dimidiatis saepius deformibus.

. *P. candidus W.*, ascomatibus carnosis mol-
convexis albis parvulis, stipite brevi laterali suf-
poris convexis aequalibus. — *Boletus candidus*
n. 529.
mulos putres agri gotting. (Persoon.) Auctumno.
auctore P. varii lusum sistit.)

2928. *P. lucidus Fr.*, ascomatibus coriaceis glabris lucidis reni- s. flabelliformibus, stipite (nonnisi subcentrali s. plane nullo) nitido adfixis expansis, primum albido-lutescentibus, dein castaneis, demum nigro-fuscescentibus concentrico-sulcatis, poris minutis pallidis. — *Fr. syst. l.* 353. *Grev. scot. t.* 245. *P. laccatus Pers. myc. Boletus lucidus Leyss. hal.* 300. *Schrad. spic.* 163. *Pers. syn.* 522. *Flor. dan. t.* 1253. *B. vernicens Bret. B. laccatus Timm. B. castaneus Weber. B. crustatus Planer. B. obliquatus Bull. t.* 7. *et* 459. *B. nitens Batsch f.* 225. *B. variegatus Schaeff. t.* 263. *B. flabelliformis Scop.*

Ad caudices quercinos German. boreal. passim.

2929. *P. nigripes W.*, ascomatibus coriaceis tenuissimis glaberrimis, e basi cordata dimidiatis flabelliformibus s. spathulatis antrorsum latescentibus, supra primum albis vernicosis, dein castaneis nitidis, tubulis primum albis dein aureo-lutescentibus micantibus tenuissime membranaceis apice laceris, hinc ad stipitem teretem atro-piceum nitidum semidecurrentibus.

Ad truncos Salicum, Juglandis et Fraxini in agro thuring. passim. Auctumno et hyeme. (Ambigit inter praecedentem et sequentem, stipitis 1-2 uncias longi digitumque crassi colore constanter atro-piceo distingui meretur.)

2930. *P. varius Fr.*, ascomatibus dimidiatis carnosis dein indurescentibus rigidis glabris laevibus versicoloribus, stipite brevi laevi pallido deorsum abrupte nigro adfixis, poris minutis subrotundis pallidis. — *Fr. syst. l.* 352.

α. badius, ascom. badiis, lateritiis s. aurantiis. *Fr. l. l. Boletus badius Pers. syn.* 523. *B. durus Timm. B. perennis Batsch. cont. I. f.* 129. *B. elegans Bull. t.* 46. *B. aurantius Schaeff. t.* 110.

β. fuscus, ascom. pallide-fuscescentibus s. subgryseis. *Fr. l. l. B. calceolaris Bull. t.* 360. 445.

γ. ochraceus, ascom. ochraceo. *Fr. l. l. B. varius Pers. B. lateralis Bolt. t.* 83. *Flor. dan. t.* 1075. *f.* 1.

Ad caudices arborum frondosarum frequens.

Ad commissuras quercinas internas fenestrarum caldarium patruum quoddam munientium, semel. Aestate.

2938. *P. leptocephalus Fr.*, ascomatibus carnoso-coriaceis tenuibus glabris planiusculis cervinis, poris subrotundis minimis albis, stipite brevi pallido. — *Fr. syst. I.* 349. *Boletus leptocephalus Jacq. miscell. I.* 142. *t.* 12. *Dicks. Pers. syn.* 519. *?B. fuscidulus et pallescens Schrad. spic.* 154. *(lasus pileis pallidioribus.)*

Ad ligna antiqua, v. c. agri anhaltin. (*Schkuhr*), nec non Hercyn. inferior. passim. Auctumno.

2939. *P. numularius W.*, ascomatibus tenuatis planiusculis orbiculatis glabris parvulis duris albido-pallescentibus, stipite subcentrali basi nigrescente, poris minutis subrotundis. — *Polyporus varius β. numularius Fr. syst.* 1. 353. *Boletus numularius Bull. Sowerb. Schrad. spic.* 152. *Pers. l. l. Nees syst. f.* 214.

Ad ramos dejectos passim.

2940. *P. fuligineus Fr.*, ascomatibus carnoso-lentis orbiculato-cupularibus laevibus fuliginen-cinereis stipiteque centrali glabris, poris albis demum dilute cinerescentibus. — *P. fuligineus Fr. l. l. Boletus fuligineus Pers. syn.* 516. *B. polyporus Bull. t.* 469.

Ad terram nudam nemorum thuring. rarius. Auct.

2941. *P. perennis Fr.*, ascomatibus tenuatis coriaceis velutinis zonatis stipiteque inaequali subtuberoso brevi centrali cinnamomeis, primum cyathiformibus deinde plagis deplanatis saepius connatis, poris minutis demum laceris consoloribus. — *Fr. syst.* 350. *Boletus confluens Schum. B. leucoporus Holmsk. Nees syst. f.* 213. *B. subtomentosus Bolt. B. pictus Schultz. B. cinnamomeus Jacq. B. cyathiformis Vill. B. Infundibulum Roth. B. coriaceus Scop. Schaeff. t.* 125. *Bull. t.* 28. *t.* 449. *B. perennis L. Flor. dan. t.* 1075. *f.* 2. *Pers. syn.* 518. *(B. connatus) Nees syst. f.* 212.

β. fimbriatus, ascomatibus umbrinis margine fimbriatis.

2934. *P. confluens Fr.*, ascomatibus tenaciter carnosis dimidiatis laevibus carneo-rufescentibus lobatis, postice connatis stipitemque brevem exserentibus caespitosque ramosos mentientibus, poris parvis subrotundis albis decurrentibus. — *Fr. syst. I.* 355. *Boletus confluens Alb. et Schw. nisk.* 244.

Ad terram in pinetis collinis Lusatiae. (*Alb. et Schw.*)

2935. *P. frondosus Fr.*, ascomatibus dimidiatis regosis numerosissimis, primum tomentosis obscure-fuligineis, dein glabrescentibus gryseo-lividis, e basi brevi stipitiformi latescentibus ibique truncum carnosum obesum, nonnisi elatum undique obsidentibus s. decurrentibus, habitum frondosum mentientibus. — *Fr. syst. l. l. Boletus frondosus Schrank. Flor. dan. t.* 952. *Schrad. spic.* 159. *Pers. syn.* 520. *Nees syst. f.* 216. *B. ramosissimus Schaeff. t.* 127–129. *B. cristatus Gouan. B. intybaceus Bmg.*

Ad radices Quercuum rarissime. Auctumno.

2936. *P. giganteus Fr.*, ascomatibus dimidiatis flaccidis latissimis subzonatis rivulosis spadiceo-pallidis, e stipite crasso brevissimo tuberoso assurgentibus imbricato-multiplicibus caespitemque giganteum informantibus. — *Fr. syst. I.* 356. *Boletus giganteus Pers. syn.* 531. *Alb. et Schw. nisk.* 244. *B. imbricatus Sowerb. t.* 86. *B. elegans Bolt. t.* 76. *B. acanthoides Bull. t.* 486. *B. mesentericus Schaeff. t.* 267. *Agaricus multiplex Dill.*

Ad caudices fagineos putres rarius. Aestate.

D. mespodes, ascomatibus stipite perpendiculari simplici s. ramoso contiguo suffultis, pileatis, lentis. (Polypori tribus 1. *Mesopus Fr. Microporus Palis. Boleti nulleporei Batsch. B. petiolati Hall.)*

† *simplices, ascom. simpliciter stipitatis.*

2937. *P. debilis W.*, ascomatibus exiguis coriaceis utrinque planiusculis orbiculatis tenuatis, supra stipiteque centrali farcto pileum aequante albidis, vellere tenui dilute fuscescente detergibili vestitis, poris albis patulis demum fuscescentibus laceris. — *Polyporus debilis W. in lit.*

Ad comissuras quercinas internas fenestrarum caldarium patruum quoddam munientium, semel. Aestate.

2938. *P. leptocephalus Fr.*, ascomatibus carnoso-coriaceis tenuibus glabris planiusculis cervinis, poris subrotundis minimis albis, stipite brevi pallido. — *Fr. syst. I.* 349. *Boletus leptocephalus Jacq. miscell. I.* 142. *t.* 12. *Dicks. Pers. syn.* 519. *?B. fuscidulus et pallescens Schrad. spic.* 154. *(lusus pileis pallidioribus.)*

Ad ligna antiqua, v. c. agri anhaltin. (*Schkuhr*), nec non Hercyn. inferior. passim. Auctumno.

2939. *P. numularius W.*, ascomatibus tenuatis planiusculis orbiculatis glabris parvulis duris albido-pallescentibus, stipite subcentrali basi nigrescente, poris minutis subrotundis. — *Polyporus varius β. numularius Fr. syst.* 1. 353. *Boletus numularius Bull. Sowerb. Schrad. spic.* 152. *Pers. l. l. Nees syst. f.* 214.

Ad ramos dejectos passim.

2940. *P. fuligineus Fr.*, ascomatibus carnoso-lentis orbiculato-cupularibus laevibus fuligineo-cinereis stipiteque centrali glabris, poris albis demum dilute cinerascentibus. — *P. fuligineus Fr. l. l. Boletus fuligineus Pers. syn.* 516. *B. polyporus Bull. t.* 469.

Ad terram nudam nemorum thuring. rarius. Auct.

2941. *P. perennis Fr.*, ascomatibus tenuatis coriaceis velutinis zonatis stipiteque inaequali subtuberoso brevi centrali cinnamomeis, primum cyathiformibus dein magis deplanatis saepius connatis, poris minutis demum laceris concoloribus. — *Fr. syst.* 350. *Boletus confluens Schum. B. leucoporus Holmsk. Nees syst. f.* 213. *B. subtomentosus Bolt. B. pictus Schultz. B. cinnamomeus Jacq. B. cyathiformis Vill. B. Infundibulum Roth. B. coriaceus Scop. Schaeff. t.* 125. *Bull. t.* 28. *t.* 449. *B. perennis L. Flor. dan. t.* 1075. *f.* 2. *Pers. syn.* 518. *(B. connatus) Nees syst. f.* 212.

β. fimbriatus, ascomatibus umbrinis margine fimbriatis,

poris curtis irregularibus. *Fr. l. l. Boletus fimbriatus Bull.* t. 254. — *Mich. gen.* t. 70. *f.* 8.

Ad terram arenosam et ad caudices vetustos vicinos auctumno nec vere persistens, hinc vix perennis.

2942. *P. melanopus Fr.*, ascomatibus carnosis lentis albido-fuligineis cyathi- s. infundibuliformibus glabris, stipite crasso firmo centrali, basin versus nigrescente suffultis, poris minutis rotundis albidis. — *Fr. syst. I.* 347.

α. infundibuliformis, ascom. infundibuliformibus. — *Fr. l. l. Boletus infundibulif. Pers. syn.* 516., *icon.* t. 4. *f.* 1.

β. cyathiformis, ascom. umbilicatis, stipite tenuiore. *Fr. l. l. Boletus umbilicatus Scop. B. melanopus Pers. syn. l. l. Alb. et Schw. nisk.* 242.

Ad basin truncorum, *β.* ad ramulos dejectos passim.

2943. *P. planus W.*, ascomatibus coriaceis orbiculatis tenuatis utrinque deplanatis, supra stipiteque centrali farcto, e basi incrassata emergente aequali pallidofuscis, furfure parco mox deliquescente adspersis, tubulis brevibus hyalinis tenerrimis rotundis albis, apice laceris fimbriatis.

Ad terram sterilem glareosam humectum agri hering. Thuring.. in consortio Baeomycis rosei, rarius.

2944. *P. brumalis Fr.*, ascomatibus carnoso-lentis subumbilicatis villosis fuligineis expallentibus, demum glabrescentibus squamoso-cerviuis, stipite hirsuto-squamuloso crasso albido-fuscescente suffultis, poris albis subangulatis, dein pallentibus. — *Fr. syst. I.* 348.

α. vernalis. — B. pictus Ehrenb. sylv. 31 *B. ciliatus Flor. dan.* t. 1297. *B. fasciculatus Schrad. Pers. syn. B. polyporus Retz.*

β. auctumnalis. — B. trichocephalus Ehrenb. B. brumalis Pers. syn. 517. *B. hypocrateriformis et umbilicatus Schrank. B. pusillus Schrad. B. lacteus Batsch f.* 42. *Elvella Pileus Schaeff.* t. 281.

Ad truncos putres et quidem auctumno sero, colore obscuro, fere nigrescente porisque brevioribus, veris tempore, lutescente magis redire ideoque facile decipere solet.

2945. *P. arcularius Fr.*, ascomatibus suberosis flavescentibus, margine deflexo hispidis, stipite centrali laevi dilute fusco suffultis, poris rhombeis albis. — *Fr. syst. I.* 342. *B. exasperatus Schrad. B. arcularius Batsch. Pers. l. l.*

Ad truncos Hercyn. superioris rarius. (*Schrader.*)

2946. *P. ovinus Fr.*, ascomatibus carnosis fragilibus ex albo-dein luteoque fuscescentibus, stipite brevi centrali inaequali crasso, nonnisi tuberoso s. excentrico suffultis, poris subrotundis exiguis albo-citrinis. — *Fr. syst. I.* 346. *B. ovinus Schaeff. t.* 121. 122. *Flor. dan. t.* 1618. *Nees syst. f.* 210. *B. albidus Pers. syn.* 515.

In pinetis montosis passim.

2947. *P. subsquamosus Fr.*, ascomatibus carnosis lentis compactis albidis inaequalibus diffracto-squamosis, stipite obeso crasso glabro albido-cinereo suffultis, poris flexuosis niveis exiguis. *Fr. syst. I.* 346. *B. carinthiacus Pers. syn.* 514. *B. subsquamosus L. Jacq. Wulff.*

β. leucomelas, ascom. sublaevibus stipiteque fuligineo-nigricantibus, poris candidis aequalibus. *Fr. l. l. B. leucomelas Pers. syn.* 515. *Alb. et Schw. nisk.* 241.

Var. *α.* in pinetis montosis austriacis *β.* in saltu hercyn. rarissime. (*Persoon.*)

2948. *P. Schweinizii Fr.*, ascomatibus suberosis giganteis tomentosis fusco-ferrugineis, margine subtusque sulfureo-virescentibus polymorphis, aliis infundibuliformibus stipato-caespitosis, aliis dimidiatis stipitem varium curtum exserentibus, poris magnis difformibus laceris. *Fr. syst. I.* 351. *P. sistotremoides Dub. Sistotrema ferrugineum Pers. myc. II.* 205. *B. sistotremoides Alb. et Schw. nisk.* 243. *B. perennis* 2. *Scop. carn. II.* 466.

In nemoribus umbrosis ad basin truncorum, v. c. Lusatiae superior. (*Albertini et Schweiniz.*)

†† *ramosi, stipitibus ramosis multiplicibus.*

2949. *P. umbellatus Fr.*, ascomatibus integris orbiculatis umbilicatis pallide-fuligineis s. ex luteo-albo-

que pallentibus, stipitibus teretibus elongatis basi coalitis suffultis caespitesque ramosissimos squarrosos polycephalos constituentibus, poris inaequalibus ad stipitem concolorem saepius decurrentibus. — *Fr. syst. I.* 354.

α. fuligineus, ascom. pallido-fuligineis. — *Fr. l. l. B. umbellatus et polycephalus Pers. syn.* 519. *Nees syst. f.* 215. *B. ramosissimus Scop. Schaeff. t.* 111. 265. 266. *Jacq. austr. t.* 172.

β. ochraceus, ascom. subrufis s. fusco-ochraceis. — *Fr. l. l. B. ramosus Flor. dan. t.* 1197.

In fagetis nemorosis, agri v. hannoveran. (*Persoon*), Hercyn. infer. et alibi suisque locis rarissime. Auctumno.

NB. Corollarii loco monstrum deforme alius cujuscunque stirpis interim addo:

2950. *P. cryptarum Fr.*, ascomatibus spongiosis effuso-reflexis fuligineo-ferrugineis imbricatis s. capitato-adscendentibus sericeo-tomentosis, poris longissimis, aliis rotundis, aliis hiantibus. — *Fr. syst. I.* 376. *B. cryptarum Bull. t.* 478. *Pers. syn.* 542. *Nees syst. f.* 222. *B.*

Ad trabes quercinas et abietinas in cryptis patriis passim, per totum annum.

339. BOLETUS DILL. *Rochrenschwamm.*

Ascoma carnosum, siccando saepius stupposum molle, hemisphaerico-explanatum orbiculato-pileatum, stipite centrali suffultum, ex aversa parte tubulis cylindricis s. angulatis discretis, inter se secedentibus, in complexum stratosum leviter conjunctis, perviis, intus ascophoris obturatum. Asci subcylindrici, sporidiis exiguis subglobosis fertl.

(Boletus Dill. L. Pers. ex emend. Fr. B. suilli Wahlenb. succ. B. discreti Spr. syst. Hypodrys Pers. comm. Agarici sp. Lam. Suillus Mich.)

† *nudi, stipite nudo (i. e. annulo et cortina destituto. (B. hyporhodii et leucospori Fr.)*

2951. *B. cyanescens Bull.*, ascomatibus compactis rigidis stramineo-s. fuligineo-tomentosis acute marginatis,

fractis alborem internum cum viola debili mutuantibus laticemque coerulescentem stillantibus, tubulis liberis rotundis brevibus albo-flaventibus leucosporis, stipite farcto laevi ventricoso. — *Bull. t.* 369. *Fr. syst. I.* 395. *B. constrictus et amarus Pers. syn.* 508. *B. fulvidus et testaceus Pers. myc. (lusus pileo magis fulvo.)*

In nemoribus patruis passim. Aestate exeunte.

2952. *B. felleus Bull.*, ascomatibus mollibus glabris planis luteo-castaneis, fractis roseis, tubulis praelongis angulatis albis rhodosporis, stipite attenuato reticulato. — *Bull. t.* 379. *Fr. syst. I.* 394. *Alb. et Schw nisk.* 240. *(pileo gilvo-fuligineo.) B.alutarius Fr.obs. I.* 115.

In pinetis v. c. Hercyn. super. et Lusatiae. Aestate.

†† *cortinati, ascomatibus velo fugaci plerumque instructis.*

2953. *B. edulis Bull.*, ascomatibus amplis hemisphaericis glabris, dein dilatatis albido-fuligineis saepius dispanso-reticulatis, tubulis semiliberis subrotundis minutis albis, mox flavicantibus, stipite crasso, raro subaequali reticulato. — *Bull. t.* 60. 494. *Fr. syst. I.* 392. *B. dulcis, umbrinus et tuberosus Pers. B. esculentus Pers. B. crassipes Schum. B. bulbosus et reticulatus Schaeff. t.* 134. 135. — *Mich. gen. t.* 68. *f.* 1.

In nemoribus nostris suo tempore ubertim.

2954. *B. castaneus Bull.*, ascomatibus subvillosis castaneo-lateritiis, fractis albidis immutabilibus, tubulis semiliberis minutis ex albo-flaventibus, dein sordide-lutescentibus, stipite sursum attenuato subfulvo laevi. — *Bull. t.* 328. *Pers. syn.* 509. *Fr. syst. I.* 392.

In fagetis nostratibus passim. Auctumno.

2955. *B. luridus Schaeff.*, ascomatibus speciosis succosis pulvinatis subtomentosis olivaceis, dein subviscosis fulvo-fuligineis, tubulis subliberis rotundis luteis, ore rubentibus, stipite crasso reticulato rubro. — *Schaeff. t.* 107. *Pers. syn.* 512. *Fr. syst. I.* 391. *B. rubeolarius Bull. t.* 100. 490. *B. mutabilis Schult. B. tuberosus Schrad.*

B. subvescus Schrank. B. sanguineus Pers. B. borinus Bolt. (var. stipite curto obsolete reticulato.)

β. erythropus, ascomat. fusco-umbrinis decoloribus, stipite attenuato, furfuribus squamulosis adsperso. *Fr. l. l. B. erythropus Pers. syn.* 513.

In nemoribus passim. Aestatis fine.

2956. *B. pachypus Fr.*, ascomatibus obesis pulvinatis subtomentosis alutaceis siccis, tubulis liberis rotundis flavis, stipite crasso reticulato flavo-rubro. *Fr. syst. I.* 390. *B. vitellinus Pers. obs. B. elatus Pers. myc.*

β. mutabilis, ascom. olivaceis. *Fr. l. l. B. mutabilis Schrad. spic.* 145. *excl. syn. B. olivaceus Schaeff. t.* 181.

In nemoribus, tum frondosis, tum acerosis vulgaris. Auct.

2957. *B. calopus Pers.*, ascomatibus pulvinatis subolivaceis, fractis (intus) coerulescentibus, tubulis adnatis angulatis flavis, stipite subaequali reticulato coccineo. — *Pers. syn.* 513. *Nees syst. f.* 208. *Fr. syst. I.* 390. *B. terreus Schaeff. t.* 315.

In promontoriis graminosis passim. Auct. (Potius seq. var.)

2958. *P. radicans Pers.*, ascomatibus pulvinatis cinereo-flavescentibus, margine involuto tomentosis, tubulis stipiteque laevi radicato tomentoso citrinis. — *Pers. syn.* 507. *Fr. syst. I.* 390.

In quercetis patruis passim. Auctumno sero.

2959. *B. subtomentosus L.*, ascomatibus pulvinatis siccis in areolas polygonas dehiscentibus subtomentosis versicoloribus (gilvis, fuscis, aëneis), fractis flavis, tubulis adnatis magnis angulatis luteis, stipite subaequali firmo rigido glabro flavo-rubente. — *Fr. syst. I.* 389. *B. chrysenteron Bull. t.* 490. *L. Pers. syn.* 506. *Nees syst. f.* 206. *B. bovinus Flor. dan. t.* 1074. *B. communis Bull. t.* 393. *B. cupreus et crassipes Schaeff. t.* 133. 112. *B. luteus Bolt. t.* 84. *B. sanguineus With. (pileo sanguineo.)*

In nemoribus fere ubique. Aestate sera.

2960. *B. Satanas Lenz*, ascomatibus obesis stipatis pallide-stramineis viscidulis, fractis albidis cum ra-

bedine violaque subeunte, tubulis lutescentibus, ore lateritiis, sauciis violaceis, stipite brevi crasso atro-sanguineo, sursum reticulato. — *Lenz Schw.* 67. *t.* 8. *f.* 33.

In quercetis Thuring. passim. (*Lenz.*) Auctumno. (Lenzio teste ex venenatis est, si quidem aliter a B. pachypode satis diversus.)

2961. *B. variegatus Sw.*, ascomatibus plano-convexiusculis humidis fasciculato-pilosis obscure luteis, tubulis adnatis rotundis angustis ferrugineis, stipite firmo aequali laevi luteo-rufescente. — *Fr. syst. I.* 388. *B. reticulatus β. Alb. et Schw. nisk.* 240. *? Pers. syn.* 508. (*dubius et forsan diversus.*) *B. guttatus Pers. myc.*

In pinetis haud quidem raro. Auctumno.

2962. *B. piperatus Bull.*, ascomatibus primum convexis, dein planis glabris flavo-gilvis viscosis, saepius irregularibus, tubulis adnatis majusculis angulosis tenuissime pubescentibus (ex ascis conglomeratis fuscis) rufo-ferrugineis, stipite crasso laevi fragili flavescente, intus basique flavissimis. — *Bull. t.* 451. *Pers. syn. Fr. syst. I.* 388. *Nees syst. f.* 207. *B. ferruginatus Batsch cont. I. f.* 28.

In ericetis nemusculisque vicinis passim. Auctumno.

2963. *B. bovinus L.*, ascomatibus planiusculis subviscosis gilvis, tubulis adnatis angulatis inaequalibus, aliis majoribus cum minoribus mixtis, primum gryseo-flavis, dein ochraceo-ferrugineis, stipite laevi tenui glabro dilute-flavo. — *L. Fr. syst. I.* 388. *B. gregarius Fl. dan. t.* 1018. *B. circinans Alb. et Schw. nisk.* 239.

In pinetis Lusatiae v. c. et alibi passim. Auctumno.

2964. *B. scaber Bull.*, ascomatibus pulvinatis utrinque convexiusculis glabris e fulvo rufescentibus, fractis albidis immutabilibus, tubulis liberis rotundis albis, dein dilute fuscescentibus, stipite firmo attenuato elato squamoso s. punctato-scabro. — *Fr. syst. I.* 393. *B. viscidus L. B. convexus Retz.* — *B. chioneus Fr. obs. B. procerus Bolt. t.* 86. (*ascom. candido, aeruginco s. olivacco.*) — *B. leucopodius Pers. obs.* (*ascom. fulvo, squa-*

mulis stipitis albis.) — *B. aurantius Bull. t. 236. (ascom. squamulisque subaurantiacis.)* — *B. rufus Schaeff. t. 103. et 104. (ascom. subrufo, squamulis nigris.)* — *B. scaber Bull. t. 132. 489. Schrad. Pers. syn. 505. B. bovinus Schaeff. t. 104. Flor. dan. t. 833. (ascom. subfuligineis, squamulis nigris.)*

In nemoribus nostris abundat auctumno.

5965. *B. floccipes Vahl*, ascomatibus compactis pulvinatis gryseis, dein nigrescentibus tomentoque fasciculato obsessis, tubulis subliberis longis candidis, stipite elato crasso velato squamoso. — *Vahl fl. dan. t. 1252. Fr. syst. I. 593. B. cinereus Pers. syn. 504. B. leucophaeus Pers. myc. II. 140.*

In fagetis umbrosis rarius. Auctumno ineunte.

2966. *B. stygius W.*, ascomatibus umbonatis, dein nigro-fuscis in areolas convexas subquadrangulas glabras profunde diffractis, intus stipiteque lacunoso-striato subporoso-stupposis pallidis, tubulis amplis subcylindricis, ore quadrangulo hiantibus concoloribus, ascis castaneis magnis ovalibus uberrimis suffusis.

In nemoribus et pinetis Hercyn. superioris rarius. *(W.)*

2967. *P. squarrosus Pers.*, ascomatibus nigrescenti-umbrinis hemisphaericis pulvinatis, supra in squamas crassas squarroso-assurgentes densas solutis, tubulis majusculis albis, stipite longo apicem versus sulcato, basi fuligineo, cortina tomentosa. *Pers. myc. II. 145. t. 2?. ?B. strobilaceus Scop. Fr. elench. I. 127.*

Ad truncos putres Pini Piceae m. vogesi. *(Mougeot.)*

††† *annulati, stipite annulato.*

2968. *B. granulatus L.*, ascomatibus compactis lutescentibus mollibus, glutine fusco dein accedente collinitis virgato-stramineis, tubulis adnatis majusculis subsimplicibus luteis, stipite elato deorsum attenuato, primum ex albido-flavente, dein punctato-scabro. — *L. sp. II. 1647. Fr. syst. I. 387. B. circinans Pers. syn. 506.*

Nees syst. f. 205. *B. inquinans Schrad. B. flavo-rufus, aureus, ferrugineus Schaeff. t.* 115. 123. 126.

In nemoribus nostris et pinetis vulgaris, alibi rarius. Aest.

2969. *B. flavidus Fr.*, ascomatibus umbonatis viscosis sordide flaventibus, tubulis adnatis angulatis subdecurrentibus inaequalibus subconcoloribus, stipite tenui laevi, annulo viscoso. — *Fr. syst. I.* 387. *B. luteus Lumn.*

In aluetis et pinetis humidis Hercyn. passim. Auct.

2970. *B. luteus L.*, ascomatibus compactis magnis flavescentibus, glutine fusco in maculas virgatas secedente oblinitis, tubulis adnatis rotundis luteis, stipite firmo annulato, apicem versus punctato-scabro. — *L. sp. Schaeff. t.* 114. *Fr. syst. I.* 386. *B. annulatus Bull. t.* 316. 332. *Flor. dan. t.* 1135. *Nees syst.* 204. *Pers. syn.* 503. *B. cortinatus Pers. l. l. B. flavus With. B. annulatus, decurrens et elegans Schum.*

Ad margines semitarum in pinetis passim. Auct.

840. BUGLOSSUS WAHLENB. *Zungenschwamm.*

Ascoma fibroso-carnosum succosum, e basi brevi (saepius nulla) sensim in ramicem linguiformem obesum s. pileum dimidiatum succrescens, subtus pavimento floccoso, verrucis tubulos dein emittentibus obsito tectum. Tubuli distincti liberi, primum apice papillato clausi, dein aperti, intus ascis minutis (dilute-fuscescentibus) foeti.

(*Buglossus Wahl. Fistulina Bull. Fr. Lk. Boleti sp. H.*)

2971. *B. quercinus Wahlenb.*, ascomatibus crassis carnosis succosis, e basi laterali brevi crassa dimidiato-pileatis sublinguiformibus fusco-sanguineis, tubulis discretis concoloribus. — *Wahlenb. suec. II.* 961. *Fistulina buglossoides Bull. t.* 74. 464. 497. *F. hepatica Fr. syst. I.* 396. *Hypodrys Pers. myc. Boletus Buglossum Retz. Flor. dan. t.* 1039. *B. hepaticus Huds. Schaeff. t.* 116–120. *Pers. syn.* 549. — *Mich. gen. t.* 60.

Ad caudices, praeprimis quercinos, nec non fagineos *Thuring. v. c. rarius.* Auctumno.

γ. radulares, ascomatibus ex alteraquaque, (in *resupinatis superiore, in sessilibus stipitatisve inferiore*) *parte tubercula verrucosa s. radulas* (aculeos auct.) *subuliformes exserentibus iisque veluti strato verrucoso s. spinuloso munitis et inhorrescentibus.*

(*Fungi hydneaei Fr. Dub.*) Ex verrucis radulae subuliformes succrescunt.

341. HYDNUM L. *Stachelschwamm.*

Ascoma floccoso-carnosum, ex aversa, s. resupinationis casu (saepius monstroso) interveniente, antica parte stratum conforme, ex radulis propexis clausis subulatis s. incisis, extus ascis tenuibus foetis vestitis muricatum exserens, nunc resupinato-adnatum, nunc dimidiatum, nunc stipitatum s. merismoideum.

(*Hydnum L. nec graecor. Hericium et Odontia Pers. Hericius Juss. Bidona, Martela, Somion Adans. Echinus Hall. Erinaceus et Agarici or. Mich. Dill.*)

† *resupinata, ascomatibus resupinatis effusis, nonnisi subiculiformibus, undique adnatis immarginatis, ambitum byssinum saepius spargentibus, superne radulas varias exserentibus.*

* *radulis variis, compressis, incisis s. subangulatis, colorum variorum.*

2972. *H. byssinum Schrad.*, ascomatibus adnato-resupinatis tomentosis candidis, hinc radulas subulatas glabriusculas exserentibus. — *Schrad. spic.* 177. *Fr. syst. I.* 425.

Intra Salices cavas passim.

2973. *H. subtile Fr.*, ascomatibus adnato-resupinatis tenerrimis effusis glabris aquose-albidis, radulis granuliformibus tenuiter incisis sparsis. — *Fr. syst. I.* 425. *H. ochroleucum v. subtile et H. acutum Pers. myc. II.* 179.

Ad ligna betulina putrida rarius.

2974. H. **argutum** Fr., ascomatibus adnato-resupinatis effusis subiculiformibus tenuissimis tomentosis

candidis, radulas acutas densas serrulatas tenuiter tomentosas emittentibus. — *H. argutum Fr. l. l.*

Ad ligna betulina putrida passim.

2975. *H. quercinum Fr.*, ascomatibus adnato-resupinatis tenuibus effusis glabris albo-pallentibus, radulis crassis obliquis subcompressis, saepius incisis difformibus. — *Fr. l. l. Sistostrema quercinum Pers. syn.* 552. *Nees syst. f.* 230. *Odontia quercina Pers. obs. H. candidum Willd.*

Ad ligna quercina passim.

2976. *H. fagineum Fr.*, ascomatibus adnato-resupinatis subeffusis glabris albo-pallescentibus, radulis confertis elongatis connato-fasciculatis obtusis integris. — *Fr. l. l. Sistotrema fagineum Pers. syn.* 552.

Ad ramos fagineos passim.

2977. *H. imbriatum DC.*, ascomatibus adnato-resupinatis effusis membranaceis subcostatis incarnato-rufis, ambitu fimbriato cinctis, radulis curtis obtusis dein multifidis. — *DC. gall. VI.* 37. *Fr. l. l. Sistotrema fimbriatum Pers. obs., syn.* 553.

Ad ramos fagineos et carpineos minime rarum.

2978. *H. viride Fr.*, ascomatibus adnato-resupinatis tenerrimis effusis tomentosis mollissimis viridibus, radulis erectis crassiusculis difformibus subincisis. — *Fr. l. l. Sistotrema viride Alb. et Schw. nisk. t.* 6. *f.* 4.

Ad ligna alnea, v. c. Lusatiae super. (*Alb. et Schw.*)

2979. *H. Hollii Fr.*, ascomatibus adnato-resupinatis effusis membranaceis lilacino-fuscis, ambitu dilutiore s. albo cinctis, radulis erectis difformibus incisis. *Fr. l. l. Sistotrema Hollii Schmidt. ?S. carneum Ehrenb. sylv.* 30.

Ad ligna pinea humi jacentia rarius.

†† *radulis aequalibus teretibus integris.*

2980. *H. niveum Pers.*, ascomatibus adnato-resupinatis effusis submembranaceis albis, ambitu byssino cinctis, radulis confertis acutiusculis exiguis. *Pers. syn.* 563. *Nees syst. f.* 246. *Fr. syst. l.* 419.

Ad caudices putridos passim.

2981. *H. crustosum Pers.*, ascomatibus adnato-resupinatis effusis tenuissimis subiculiformibus subfarinaceis candidis, radulis confertis subdilformibus minimis obtusiusculis. — *Pers. syn.* 562. *Fr. syst. I.* 419. *Nees syst. f.* 247. *Odontia crustosa Pers. obs. II.* 16.
Ad ligna salicina putrida passim.

2982. *H. farinaceum Pers.*, ascomatibus adnato-resupinatis subiculiformibus effusis farinaceis, ambitu subbyssino cinctis, radulis acutis tenuissimis sparsis. *Pers. Fr. l. l.*
Ad caudices putredine exesos frequens.

2983. *H. obtusum Schrad.*, ascomatibus adnato-resupinatis membranaceis candidis, radulis obtusis teretibus, apice villosis. — *Schrad. spic.* 178. *Pers. Fr. l. l.*
In similibus cum praeced. locis, passim.

2984. *H. diaphanum Schrad.*, ascomatibus adnato-resupinatis effusis tenuiter papyraceis glabriusculis pellucentibus albidis, radulis subulatis distinctis dein albo-flaventibus. — *Schrad. l. l. t. 3. f. 3. Pers. Fr. l. l.*
Ad truncos fagineos et betulinos mucidos passim.

2985. *H. mucidum Pers.*, ascomatibus adnato-resupinatis membranaceis, subtus ambituque villosulis, radulis confertis longis acutis subdeclinatis. — *Pers. syn.* 561. *Fr. syst. I.* 418.
Ad caudices Sorbi et Fagi putres rarius.

2986. *H. fasciculare A. et Schw.*, ascomatibus adnato-resupinatis albidis cum radulis fasciculatis longis propexis confluentibus. — *Alb. et Schw. nisk.* 269. *t. 10. f. 9. Fr. l. l.*
Ad truncos pineos putridos frequens.

2987. *H. fragile Pers.*, ascomatibus adnato-resupinatis tenuiter membranaceis effusis albidis, radulis longissimis opacis rectis subflexuosis fragilibus. — *Pers. syn.* 561. *Fr. l. l.*
Ad truncos mucidos agri misniaci. (*Ludwig.*)

2988. H. microdon Pers., ascomatibus adnato-

resupinatis effusis coriaceis ochraceo-carneis, radulis congestis tenuibus acutis. — *Pers. syn.* 561. *Fr. l. l.*

Ad trabes fodinae lithanthr. mont. Meissner. (*Pers.*)

2989. *H. ferruginosum Fr.*, ascomatibus adnato-resupinatis, stipato-tomentosis ferrugineis, primum orbiculatis, ambitu dilutiore cinctis, dein effusis, radulis teretibus acutis confertissimis subobliquis concoloribus parce tomentosis. — *Fr. syst. I.* 416. *H. ferrugineum Pers. l. l. Nees syst. f.* 248.

Ad truncos udos, praeprimis populneos rarius. (*Cf. Ceratium ferrugineum meum p.* 205.)

2990. *H. fusco-atrum Fr.*, ascomatibus adnato-resupinatis, primum orbiculatis glaucis glabriusculis, dein effusis ferrugineo-fuscis latissime expansis, radulis brevibus obtusiusculis cervinis, demum nigricantibus. — *Fr. syst. I.* 416.

β. castaneum, ascom. subvillosis glaucis, dein badiis, radulis longis confertis. *Fr. l. l. H. castaneum Alb. et Schw. nisk.* 269.

Ad truncos populneos et betulinos putres, rarius.

2991. *H. tremellosum W.*, ascomatibus adnato-resupinatis carnoso-tremellosis carneo-rubentibus orbiculatis, praeter ambitum dilutiorem villosulum glabris, radulis confertis cylindricis longis propexis s. decumbentibus acicularibus glabris, basi confluentibus.

Ad caudices salicinos putres agri thuring. rarius. (Color et substantia Merulii tremellosi *Fr.*)

2992. *H. macrodon Pers.*, ascomatibus adnato-resupinatis rufescentibus cum radulis obliquis longissimis pendulis basi connatis confluentibus. — *Pers. syn.* 560. *Fr. syst. I.* 415.

Ad truncos pineos in agro misnico. (*Ludwig.*)

†† *apodes, ascomatibus sessilibus dimidiato-pileatis, latere horizontaliter adfixis planis marginatis.*

2993. *H. ochraceum Pers.*, ascomatibus apodibus

3002. *H. tomentosum L.*, ascomatibus coriaceis plano-infundibuliformibus rugoso-fibrosis zonatis, praeter discum villosum glabrescentibus stipiteque aequali ferrugineis s. dilutius cinerascentibus, margine radulisque albis. — *H. cyathiforme Schaeff. t.* 139. *Flor. dan. t.* 1020. *f.* 1. *H. tomentosum L. Pers. syn.* 556. *Fr. l. l.*

In pinetis editioribus passim. Auctumno.

3003. *H. connatum Schultz*, ascomatibus coriaceis gregariis infundibuliformibus fasciatis spadiceis, stipite tenui nigro nitido glabro suffultis, radulis ochraceo-cinereis tenuibus. — *Schultz starg.* 491. *Fr. l. l.*

In pinetis densis agri stargard. (*Schultz.*)

3004. *H. cyathiforme Bull.*, ascomatibus coriaceis plano-infundibuliformibus zonatis glabrescentibus stipiteque tenui subinaequali ferrugineis, radulis tenuibus aequalibus pallidis, demum fusco-rufescentibus. — *Fr. syst. I.* 405.

α. *minus*, ascom. minoribus, vertice squamoso-scrobiculatis. *Fr. l. l. H. scrobiculatum Fr. obs. H. cyathiforme Bull. t.* 156. — *Mich. t.* 72. *f.* 7.

β. *majus*, ascom. majoribus dilatatis glabris radulis. *Fr. l. l. H. concrescens Pers. syn.* 556. *H. zonatum Batsch cont. II. f.* 224. *Nees syst. f.* 242.

In fagetis et quercetis passim ad truncos. Auctumno.

3005. *H. velutinum Fr.*, ascomatibus subcoriaceis gregariis infundibuliformibus laevibus velutinis azonis, radulis stipiteque tomentoso testaceo-ferrugineis. — *Fr. syst. I.* 404.

In campis abietinis German. boreal. passim.

3006. *H. nigrum Fr.*, ascomatibus coriaceo-suberosis tomentosis azonis plano-depressis tuberculosis caerulescenti-nigricantibus, intus stipiteque basi subbulboso nigris, radulis albidis, dein cinereo-tomentosis. — *Fr. syst. I.* 404.

β. *olivaceum*, ascom. olivaceo-cinereo. *Fr. l. l. H. pullum Sw. H. suberosum cinereum Batsch cont. II. f.* 221. *H. cinereum Pers. myc. II.* 161.

In pinetis subalpestribus rarius. Auctumno.

dimidiatum dilatatis, radulis mollibus pyramidatis glaucis tenacellis. — *Scop. carn. II.* 472. *Pers. syn.* 249. *Fr. syst. I.* 407. *H. crustallinum Flor. dan. t.* 717.

Ad truncos abietinos passim. (*H. gelatinosum Schaeff. t.* 144. *Nees syst. f.* 244. forsan var. insignis; var. *horridum*, ascom. undique radulis obsessam *Jacq. coll. I.* 139. *t.* 9. reddit.)

2999. *H. Erinaceus Bull.*, ascomatibus crassis carnosis elastico-tenacellis albis, e basi curta in pileum dimidiatum cordiformem, supra fibrillis subfasciculatis laceris obsessum dilatatis maximis, intus subcancellatis concoloribus, radulis confertissimis propexis longissimis. — *Bull. t.* 34. *Pers. syn.* 560. *Fr. syst. I.* 408. *Hericium Erinaceus Pers. obs. Munina cordiformis Scop.* (*monstr. subterr.*)

Ad truncos quercinos et fagineos putres, rarius. Auct.

††† *mesopodes, ascomatibus coriaceis s. carnosis, stipite subcentrali perpendiculari cum pileo contiguo suffultis.*

* *ascomatibus subturbinatis coriaceo-suberosis.*

3000. *H. Auriscalpium L.*, ascomatibus umbonatis coriaceis horizontalibus tomentosis fusco-castaneis, raro calvis, hinc (postice) exciso-desciscentibus ibique stipitem erectum elatum basi muricato-tomentosum spadiceo-nigrum concipientibus subdimidiatis, radulis cylindricis subaequalibus acutis propexis glabriusculis tenacellis, nonnisi rore caesio gryseis. — *L. Schaeff. t.* 143. *Bull. t.* 481. *Flor. dan. t.* 1020. *Nees syst. f.* 243. *Grev. scot. t.* 196. *Fr. syst. I.* 406. — *Mich. gen. t.* 72. *f.* 8.

Ad quisquilias pineas putredine coactas inque humum redactas in pinetis minime raro. Per totum annum.

3001. *H. melaleucum Fr.*, ascomatibus coriaceis imbricato-difformiterque concrescentibus striatis, primum fusco-purpurascentibus, dein coeruleo-nigricantibus, disco colliculosis, margine radulisque albis, stipite nigricante, nonnisi ramoso s. obsoleto. — *Fr. syst. I.* 406. *H. tomentosum γ. atro-album A. et Schw. H. pullum* Schaeff. *t.* 272.

In campis abietinis ad terram muscosam rarius.

3002. *H. tomentosum L.*, ascomatibus coriaceis plano-infundibuliformibus rugoso-fibrosis zonatis, praeter discum villosum glabrescentibus stipiteque aequali ferrugineis s. dilutius cinerascentibus, margine radulisque albis. — *H. cyathiforme Schaeff.* t. 139. *Flor. dan. t.* 1020. *f.* 1. *H. tomentosum L. Pers. syn.* 556. *Fr. l. l.*

In pinetis editioribus passim. Auctumno.

3003. *H. connatum Schultz*, ascomatibus coriaceis gregariis infundibuliformibus fasciatis spadiceis, stipite tenui nigro nitido glabro suffultis, radulis ochraceo-cinereis tenuibus. — *Schultz starg.* 491. *Fr. l. l.*

In pinetis densis agri stargard. (*Schultz.*)

3004. *H. cyathiforme Bull.*, ascomatibus coriaceis plano-infundibuliformibus zonatis glabrescentibus stipiteque tenui subinaequali ferrugineis, radulis tenuibus aequalibus pallidis, demum fusco-rufescentibus. — *Fr. syst. I.* 405.

α. minus, ascom. minoribus, vertice squamoso-scrobiculatis. *Fr. l. l. H. scrobiculatum Fr. obs. H. cyathiforme Bull. t.* 156. — *Mich. t.* 72. *f.* 1.

β. majus, ascom. majoribus dilatatis glabris radiatis. *Fr. l. l. H. concrescens Pers. syn.* 556. *H. zonatum Batsch cont. II. f.* 224. *Nees syst. f.* 242.

In fagetis et quercetis passim ad truncos. Auctumno.

3005. *H. velutinum Fr.*, ascomatibus subcoriaceis gregariis infundibuliformibus laevibus velutinis azonis, radulis stipiteque tomentoso testaceo-ferrugineis. — *Fr. syst. I.* 404.

In campis abietinis German. boreal. passim.

3006. *H. nigrum Fr.*, ascomatibus coriaceo-suberosis tomentosis azonis plano-depressis tuberculosis coeruleo-nigricantibus, intus stipiteque basi subbulboso nigris, radulis albidis, dein cinereo-tomentosis. — *Fr. syst. I.* 404.

β. olivaceum, ascom. olivaceo-cinereo. *Fr. l. l. H. pullum Sw. H. suberosum cinereum Batsch cont. II. f.* 221. *H. cinereum Pers. myc. II.* 164.

In pinetis subalpestribus rarius. Auctumno.

carnosis irregulariter pileatis diffracto-squamosis subzonatis testaceo-ferrugineis, radulis longis aequalibus albidis, dein fuscescentibus, stipite crasso inaequali demum squamoso. — *Batsch elench. f.* 43. *Fr. syst. I.* 399. *H. imbricatum Schum. II. squamosum Bull. t.* 409. *H. hudium Pers. myc.*

In similibus cum praeced. locis rarius. Auctumno.

2018. *H. imbricatum L.*, ascomatibus carnosis pileatis planis tessellato-squamosis azonis umbrinis, radulis aequalibus albido-cinereis, stipite brevi firmo deorsum attenuato. — *L. Schaeff. t.* 140. *Flor. dan. t.* 176. 1500. *Pers. syn.* 554. *Fr. syst. I.* 398. *Grev. scot. t.* 71. *H. squarrosum Pers. obs. H. squarrosum Nees syst.* 240.

In pinetis editioribus minime raro. Auctumno.

†††† *merismata, ascomatibus a figura pileata deficientibus partitis, e basi crassa in ramices plurimos radiiformes divulsis habitumque ramosissimum mentientibus.* (*Hericium Pers.*)

2019. *H. coralloides Scop.*, ascomatibus candidis dein lutescentibus, e basi in ramices patentes attenuatos divulsis, veluti ramosissimis, undique s. hinc radiales aequales subuliformes exserentibus. — *Scop. Schaeff. t.* 141. *Fr. syst. I.* 408. *H. ramosum Bull. t.* 390. *H. laciniatum Lacr.* — *H. crispum Scop. H. abietinum Schrad. H. muscoides Schum.* (*aetas juvenilis tenera.*)

β. subterraneum, ascom. undique radulis horridis. *Mucor muscoides Scop. H. muscoides Pers. Clavaria radicoraeformis Retz.*

Ad truncos fagineos et abieticos rarissime; *β.* in cryptis et cellis ubis neque minus rarum.

342. IRPEX FR. *Raspelschwamm.*

Ascoma subcoriaceum dimidiato-s. resupinato-pileatum, subtus scamnis homogeneis seriatim s. reticulatim dispositis exaratum iisque radulas discretas compressas s. tenuissimas, apicem versus ascis tenuibus fortas ex-

inaequali firmo subtuberoso mediocri, nonnisi connato. — *Alb. et Schw. nisk.* 265. *Fr. syst. I.* 401.

In campis abietinis Lusatiae super. (*Alb. et Schw.*) Aut.

3012. *H. rufescens Pers.*, ascomatibus carnosis subtomentosis planiusculis obsolete zonatis carneo-rufescentibus, radulis incarnato-ochraceis subaequalibus nonnisi incisis, stipite tenui aequali pallido longo. — *Pers. syn.* 555. *Fr. syst. I.* 401. *H. repandum Bolt. t.* 88.

In fagetis editioribus passim. Auctumno.

3013. *H. repandum L.*, ascomatibus carnosis glabris azonis albis s. flaventibus (incarnato-pallidis) polymorphis repandis, saepius rugoso-flexuosis sublobatis fragilibus, radulis inaequalibus integris compressis incisisve stipitique difformi glabro obeso pallentibus. — *H. medium Pers. obs. H. carnosum et clandestinum Batsch elench. f.* 136. 144. *H. flavidum et rufescens Schaeff. t.* 10. 141. *H. repandum L. Flor. dan. t.* 310. *Bull. t.* 172. *Pers. syn.* 555. *Fr. syst. I.* 400. — *H. squamosum Schaef. t.* 278. *H. imbricatum Bolt. Willd.* (*meras var. sistunt*)

In nemoribus caeduis vulgaris. Aestate.

3014. *H. candidum Schm.*, ascomatibus carnoso-gelatinosis plano-convexiusculis candidis, supra glabris pruinosis, radulis brevibus diaphanis sparsis, stipite crasso tuberoso albo. — *Schmidt myk. Hft. I.* 89. *Fr. l. l.*

Inter folia decidua fagetorum Saxon. (*Schmidt.*)

3015. *H. fuligineo-album Schm.*, ascomatibus carnosis difformibus lobatis roseo-albis, radulis albis, stipite crasso fuligineo. — *Schmidt l. l. Fr. l. l.*

In pinetis Silesiae et Saxoniae. (*Schmidt.*)

3016. *H. laevigatum Sw.*, ascomatibus carnosis pileatis subrepandis rugulosis azonis rufo-cinereis fragilibus, radulis albido-cinerascentibus, stipite laevi inaequali. — *Sw. Fr. syst. I.* 399. *H. leucopus et bubalinum Pers. myc. H. pulvinatum Schultz. H. imbricatum Vill.*

In pinetis collinis rarius. Auctumno.

3017. H. subsquamosum Batsch, ascomatibus

osis irregulariter pileatis diffracto-squamosis subzo- testaceo-ferrugineis, radulis longis aequalibus albi- dein fuscescentibus, stipite crasso inaequali demum so-squamoso. — *Batsch clench. f.* 43. *Fr. syst. I. H. imbricatum Schum. H. squamosum Bull. t.* 409. *adium Pers. myc.*
s similibus cum praeced. locis rarius. Auctumno.

018. *H. imbricatum L.*, ascomatibus carnosis pi- s planis tessellato-squamosis azonis umbrinis, radulis ibus albido-cinereis, stipite brevi firmo deorsum at- ato. — *L. Schaeff. t.* 140. *Flor. dan. t.* 176. 1500. *syn.* 554. *Fr. syst. I.* 398. *Grev. scot. t.* 71. *H. num Pers. obs. H. squarrosum Nees syst.* 240.
n pinetis editioribus minime raro. Auctumno.

†††† *merismata, ascomatibus a figura pileata desci- ibus partitis, e basi crassa in ramices plurimos ra- mes divulsis habitumque ramosissimum mentienti- (Hericium Pers.)*

019. *H. coralloides Scop.*, ascomatibus candi- lein lutescentibus, e basi in ramices patentes atte- os divulsis, veluti ramosissimis, undique s. hinc ra- aequales subuliformes exserentibus. — *Scop. Schaeff.* 1. *Fr. syst. I.* 408. *H. ramosum Bull. t.* 390. *H. latum Leers.* — *H. crispum Scop. H. abietinum id. H. muscoides Schum. (aetas juvenilis tenera.)*
subterraneum, ascom. undique radulis horridis, na *muscoides Scop. H. muscoidns Pers. Clavaria coporaeformis Retz.*
d truncos fagineos et abietinos rarissime; *β.* in cryptis llis udis neque minus rarum.

342. IRPEX FR. *Raspelschwamm.*

scoma subcoriaceum dimidiato-s. resupinato-pilea- subtus scamnis homogeneis seriatim s. reticulatim sitis exaratum ibique radulas discretas compressas tiusculas, apicem versus ascis tenuibus foetas ex-

3025. *Phl. radiata Fr.*, ascomatibus orbicularis resupinatis carnoso-membranaceis saturate-carneis, supra plicis e centro radiantibus brevibus confertis flexis seriatis, versus ambitum radiatum evanescentibus exaratis. — *Phl. radiata et contorta Fr. syst. I.* 427., *elench. II.* 134. (*quo loco plures ex colore enumerantur lusus.*)

Ad truncos betulinos putres, v. c. Hercyn. superior. passim. Auctumno.

3026. *Phl. merismoides Fr.*, ascomatibus effuso-resupinatis carneo-rubris, subtus villosis albis, margine aurantio-pilosis, raro adnatis, saepius in tubercula papilloso-venosa desciscentibus. — *Fr. syst. I.* 427. *Grev. scot. t.* 280. *Merulius fulvus Lasch in Schltdl. Linn.* 1821.

Ad ligna faginea vicinosque muscos, in quibus saepe daedaleas jactat formas. Auctumno sero.

345. MERULIUS HALL. *Faltenschwamm.*

Ascoma resupinatum stipato-floccosum, saepius inconditum, late expansum s. subfigurato-pileatum, ex arcta (superiore) pagina hymenium plicis gyroso-s. sinuato-flexuosis homogeneis interrupte ascophoris exaratum informans.

(*Merulius Hall. Schrad. Pers. ex emendat. Fr. Xylomyzon Pers. myc. Xylophagus Lk. obs.*)

3027. *M. Corium Fr.*, ascomatibus primum tuberculos clausis implexo-tomentosis albidis, dein latiuscule reclinando hymenium immerso-discoideum pallidum pestum monstrantibus depresso-cupularibus, demum sive deplanatis effuso-resupinatis praeter ambitum villosum subliberum arcte adnatis, sive e basi hinc decurrente adnata dimidiato-flabelliformibus propexis semiliberis, hinc stipato-tomentosis azonis pallidis, hinc (ex averso pagina) carnoso-tremellosis glabris carneo-pallentibus, plicis magis minusve costatis exaratis. — *Fr. elench. I.* 58. *Thelephora Corium Pers. Grev. scot. t.* 147. *Polyporus Corium Pers. myc. Boletus purpurascens DC. Auricularia papyrina Sowerb.* (*teste Klotzschio.*)

Ad ramos salicinos putrescentes in sepimentis vulg. Thuring. passim. Hyeme.

3028. *M. aureus Fr.*, ascomatibus adnato-resupi-tis effusis, praeter ambitum pallidum villosum aureis nstipatis, supra plicis crispis gyroso-venosis. — *Fr. nch. I.* 62. *M. vastator Fr. syst. I.* 329.

Ad ligna abietina putria foliaque vicina rarius. Hyeme.

3029. *M. Vastator Tode*, ascomatibus adnato-upinatis, dein longe lateque expansis, extus intusque pato-fibrosis pallentibus, hinc plicis emersis quadran-lis poros sinuatos mentientibus exaratis flavo-ferrugineis llantibus, postice ambituque saepius demum solutis albo-mentosis similemque hyphum penitius penetrantem emit-tibus. — *M. Vastator Tode meclb. I.* 351. *t.* 2. *f.* 1. *rs. syn.* 497. *Alb. et Schw. nisk.* 236. *M. Crucibulum . obs. I.* 99. (*juvenis, magis cupularis.*) *M. lacrimans hum. saell. II.* 371. *M. destruens Pers. syn.* 496. *Bo-us arboreus Sowerb. t.* 346. *B. lacrymans Wulff.*

β. hydnoideus, ascomatibus plicatis, dein in radulas pexas succrescentibus. — *Fr. l. l. Sistotrema cellare rs. syn.* 554. *Boletus obliquus Bolt. t.* 74.

Ad ligna quaecunque putredine uda adgressa, aedifi-rum minus solerter exstructorum in trabibus murorum-e lateribus, a sole et ventis retractis pestis illa vul-is et nefaria. Per totum annum. (Aliorum Hyphomy-tum (*Byssi floccosae Schreb.* v. c. *Coniophorarum* ipsa-n forsan) mater feracissima. Plicae saepius decumbunt, nt et verum Polyporum praestant.)

3030. *M. serpens Tode*, ascomatibus adnato-re-pinatis carnoso-membranaceis siccis rubentibus, praeter bitum fimbriatum album glabris, hinc plicis primum rosis, dein sinuato-porosis angulatis exaratis. — *Tode act. soc. hal. I.* 355. *Pers. syn.* 497. *Alb. et Schw. k.* 237. *Fr. syst. I.* 327. *Xylomyzon crustosum Pers. myc.*

Ad ligna ramosque in locis udis putrescentes. Perennis.

3031. *M. rufus Pers.*, ascomatibus adnato-resupi-is cartilagineo-membranaceis glabris carneo-rufescen-s, hinc plicas porosas oblongas obliquas lacera in-

formantibus. — *Pers. syn.* 498. *Xylomyzon rufum Pers. myc. X. isopyrum Pers. (junius.)*

Ad truncum carpineum agri gotting. (*Persoon.*)

3032. *M. paucirugus Dub.*, ascomatibus adnato-resupinatis flavo-brunneis tenuibus cubilia incrustantibus ambitumque villosulum albicantem spargentibus, hinc plicas paucas latas transversim reticulatas informantibus. — *Dub. gall. II.* 796. *Xylomyzon paucirugum et parinoides Pers. myc. II.* 33. *t.* 14 *f.* 6.

Ad ligna putrida v. c. montis vogesi. (*Mougeot.*)

3033. *M. tremellosus Schrad.*, ascomatibus primum globosis clausis albo-tomentosis, dein latiuscula reclinando cupularibus amplis, demum sive hinc adscendentibus cucullato-inflexis basique decurrente adnatis, sin resupinatis omnino, faciem iuferiorem villoso-tentaculatam obliterantibus orbiculatis carnoso-tremellosis plicaque isthmis patulis transversis interceptas hiantes carneo-rubentes informantibus. — *Schrad. spic.* 139. *Pers. syn.*

s. centrali in pileum dimidiatum expansis. (C. apodes et pleuropodes Schrad. Fr.) Praeter plicas Agaricos resupinatos ferme aemulantur.

3034. *C. retirugus Fr.*, ascomatibus tenuissime membranaceis subrotundis verticalibus sessilibus laevibus albido-cinereis, venis saturatioribus reticulatis. — *Fr. syst. I.* 324. *Merulius retirugus Pers. syn.* 494. *Helvella retiruga Bull. t.* 498. *f.* 1.

Ad muscos aliasque quisquilias humi jacentes rarius.

3035. *C. laevis Fr.*, ascomatibus sessilibus subverticalibus carnoso-membranaceis planis candidis, venis obsoletis. — *Fr. syst. I.* 324. *Thelephora vulgaris Pers. myc. I.* 115. *t.* 7. *f.* 6. *Th. muscigena Pers. syn.* 572.

Ad muscos udos, v. c. ad Polytrichum commune compactum et udore semicorruptum.

3036. *C. muscorum Fr.*, ascomatibus sessilibus exiguis auriformibus gelatinosis sordide rufescentibus, intus concavis, plicis venosis e basi obsoleta sensim divisis inscriptis. — *Fr. l. l. Merulius muscorum Roth cat. I.* 238., *in Uster. Annal. I. t.* 1. *f.* 4. *Pers. syn.* 495.

Ad muscos caudices quercinos obtegentes rarius.

3037. *C. bryophilus Fr.*, ascomatibus e basi brevi porrecta pezizoideo-flabellaribus candidis teneris, extus parce tomentosulis, plicis latiusculis, e centro radiatis, apicem versus bi-trifidis. — *Fr. l. l. Merulius bryophilus Pers. syn.* 495. *Nees syst. f.* 237.

Ad terram nudam interque muscos putres rarius.

3038. *C. lobatus Fr.*, ascomatibus e basi brevi tenuata sessilibus horizontalibus lobatis fuscis planiusculis, venis vage-ramosis subreticulatis. — *Fr. l. l. Merulius lobatus Pers. syn.* 494. *M. uliginosus Pers. myc. Helvella membranacea Dicks. Flor. dan. t.* 1077. *f.* 1.

Ad Hypna palustria in vallibus subalpestribus rarius.

3039. *C. muscigenus Fr.*, ascomatibus membranaceis *glabris, e basi brevi* tenuata unguicularibus horizontalibus *pallide-fuscis*, plicis tumidulis divergentibus,

basin versus confluentibus. — *Fr. syst. l. l. Merulius muscigenus Pers. syn.* 493. *Nees syst. f.* 236. *M. serotinus Pers. myc. Helvella dimidiata Bull. t.* 498. *f.* 2. *Ag. muscigenus Bull. t.* 288. *Ag. Foliolum Retz.*

Ad muscos corruptos tectaque straminea rarius.

3040. *C. crispus Fr.*, ascomatibus primum pezizoideis candidis tenuiter villosis, dein e basi stipitiformi brevi s. plane nulla dimidiato-pileatis subflabellaribus carnoso-membranaceis horizontalibus imbricato-caespitosis subdifformibus, supra dein glabrescentibus pallide-fuscis, plicis subparallelis, e basi simplici dichotomis crispo-corrugatis albidis. — *Fr. syst. l.* 323. *Merulius crispus Pers. icon. t.* 8. *f.* 7., *syn.* 495. *Flor. dan. t.* 1739. *M. fugineus Schrad. M. Weinmanni Spreng.*

Ad ramos arborum putres, carpineos v. c., betulinos, coryleos et fagineos minime raro. Auctumno.

3041. *C. buxbaumiaeformis W.*, ascomatibus [illegible]

exsertis lamellaribus concoloribus exaratis. — *Agaricus fissus Leyss. hal.* 297.

In aggeribus graminosis agri halens. (*Leysser.*) Auct. (Habitus et moles Lichenis pyxidati cujuscunque s. Cyathi striati minoris.)

†† *mesopodes, ascomatibus e basi stipitiformi in pileum infundibuliformem s. depressum dilatatis, subtus plicis dichotomis decurrentibus exaratis.*

3044. *C. pusillus Fr.*, ascomatibus parvis, e basi stipitiformi solida cinerascente in pileum subvillosum gryseum, subtus laevem caesium, dein rugulosum desinentibus. — *Fr. syst. I.* 321. *Craterellus pusillus Pers. myc. II.* 6.

Ad terram nudam glareosam v. c. Hercyn. infer. rarius. Auctumno.

3045. *?C. pezizoides Fr.*, ascomatibus gregariis exiguis obconicis glauco-albidis, disco depresso ibique venoso. — *Pers. obs. I.* 22., *syn.* 493.

Ad ligna fodinarum metallic. Hercyn. super. (*Persoon.*)

3046. *C. undulatus Fr.*, ascomatibus coriaceo-membranaceis lentis, e basi stipitiformi solida elata glabra albo-pallescente sensim in pileum depressum s. infundibuliformem undulatum, supra subconcolorem s. livido-pallentem, vellere tenui stipato adpresso in fibras erectiusculas sparsim collecto tectum dilatatis, subtus rugosis s. costato-plicatis leucosporis. — *Thelephora undulata Fr. elench. I.* 164. (*stipite villoso et hymenio setuloso ?*) *C. fimbriatus Weinm. C. undulatus et albidus Fr. syst. I.* 321. *Merulius undulatus Pers. syn.* 492. *Fl. dan. t.* 1293. (*rugis magis exaratis.*) *M. crispus Pers. icon. t.* 8. *f.* 7. *Craterella et Helvella crispa Pers. Elvella floriformis Schaeff. t.* 278.

Ad terram nudam in nemoribus caeduis rarius. Auct.

3047. *C. canaliculatus Fr.*, ascomatibus parvis albido-pallescentibus, pileo subumbilicato obliquo, basi stipitiformi solida undulata suffulto, plicis canaliculatis subsimplicibus. — *Pers. icon.* 57. *t.* 14. *f.* 1.

Ad truncos arborum frondos. Hercyn. rarius. (Persoon.)

3048. *C. Cornucopiae W.*, ascomatibus majusculis subcaespitosis, e basi tenuata elastica nigricante in pileum membranaceum infundibuliformem, margine reflexo cinctum sensim dilatatis tubaeformibus perviis, intus squamulosis umbrino-nigris, extus politis grysecis, demum parce rugulosis. — *C. cornucopioides Fr. syst. I.* 321. *Craterellus cornuc. Pers. myc. II.* 5. *Merulius cornucopioides Pers. syn.* 491. *Helvella cornuc. Scop. Schaeff. t.* 165. 166. *Bull. t.* 150. 498. *f.* 3. *Peziza cornucopioides L. Flor. dan. t.* 384. *t.* 1260. — *Vaill. bot. t.* 13. *f.* 2. 3.

Ad truncos mucidos ipsamque terram pinguem in nemoribus frondosis passim frequenter. Auctumno. (Superficie externa polita nec plicata a generis nota desciscit, nec tamen cum aliis subtus rugosis civitatem reticet.)

3049. *C. cinereus Fr.*, ascomatibus majusculis subcaespitosis, e basi stipitiformi cava nigrescente polita in pileum membranaceum infundibuliformem pervium, intus parce squamulosum, extus plicis distantibus cinereis crasis exaratum dilatatis. — *Fr. l. l. Merulius cinereus Pers. icon. t.* 3. *f.* 3., *syn.* 490. *Alb. et Schw. nisk.* 234. *M. cornucopioides Nees syst. f.* 235. *(saltem ob hymenium nimis perspicue plicatum.) Agaricus fissus Humb. frib. M. hydrolips Gmel. DC. M. fissus Roth. Helvella hydrolips Bull. t.* 465. *f.* 1.

In nemoribus muscosis apricis, at multo rarius quam praecedens sp., quam prater superficiem plicatam et molem minorem fere refert.

3050. *C. sinuosus Fr.*, ascomatibus gregariis subcaespitosis membranaceis, e stipite farcto difformi glabro pallidiore elato abrupte in pileum infundibuliformem, intus floccoso-villosum fusco-gryseum, dein saepius undulatum dilatatis, plicis implexis tumidis exaratis, raro depressis. — *Fr. syst. I.* 319., *elench. I.* 52. *Merulius fuligineus Alb. et Schw. nisk.* 234. *M. tubiformis v. sinuosus Pers. myc.* 18. *(plicis implexis exaratis.)* — *Elvella fioriformis Sowerb. t.* 75. *Helvella crispa Bull. t.* 465. *(plicis magis depressis.)*

In nemoribus et quercetis patriis rarius. Auctumno.

3051. *C. lutescens Fr.*, ascomatibus submembranaceis e basi stipitiformi cava lutea in pileum infundibuliformem fusco-lutescentem undulatum, intus subflocco-sum demumque saepius pervium dilatatis, plicis venosis implexis decurrentibus confertis e cinereo-lutescentibus. — *Fr. syst. I. 320., elench. I. 50. Merulius villosus, xanthopus et aureus Pers. myc. II. 19. M. cantherelloides Sw. Schum. M. lutescens Pers. syn. 489. Flor. dan. t. 1617. M. reflexus Gmel. Elvella tubaeformis Schaeff. t. 157. Agaricus Aurora Batsch el. f. 36. (plicis rutilis.)*

In nemoribus udis, aluetis sphagnosis passim.

3052. *B. tubaeformis Fr.*, ascomatibus gregariis, e basi stipitiformi cava lutea in pileum submembranaceum umbilicato-infundibuliformem lutescenti-cinereum s. fuscescentem, intus rugulosum parceve squamulosum dilatatis, demum undulatis, plicis tendineis remotis, e basi inde simpliciter repetitive dichotomis, ascis aureo-flaventibus constipatis superfusis iisque cinereo-flaventibus. — *Fr. syst. l. l. Merulius tubiformis Pers. syn. 489. M. villosus Pers. icon. t. 6. f. 1. Ditmar in Sturm. germ. III. t. 30. Pexiza undulata Bolt. t. 105. Helvella tubaeformis Bull. t. 461. Mer. hispidus et Infundibulum Scop. — Vaill. bot. t. 11. f. 9. 10. — Agaricus pruinatus Batsch f. 35. Mer. fuligineus Pers. syn. 490. (var. plicis cinereis.) A. degener Schaeff. t. 243. A. cornucopioides Bull. t. 208. (var. pileo zonato.)*

Ad truncos putridos ipsamque terram passim.

3053. *C. violaceus Fr.*, ascomatibus gregariis, e basi stipitiformi solida in pileum infundibuliformem carnosum glabrum violaceo-purpureum, demum repandum dilatatis, plicis venosis pallidis decurrentibus. — *Fr. syst. I. 319. Merulius Ottonis Spr. pug. I. 66.*

In pinetis Saxoniae. (*Sprengel.*) Auct.

3054. *C. cibarius Fr.*, ascomatibus carnosis sparsis aurantiaco-vitellinis, e basi stipitiformi solida tenuata sensim inflata in pileum orbiculatum planum, dein depressum s. *repandum dilatatis*, plicis crassis angustis remotis

semidecurrentibus, apicem versus subdichotomis s. connatis, sulcatas mentientibus, demum rugoso-flexuosis. — *Fr. syst. l.* 318. *Merulius cibarius Pers. syn.* 488. *A. cantharellus L. Schaeff. t.* 82. *Bull. t.* 62. *t.* 505, *f.* 1. *Flor. dan. t.* 264. *Bolt. t.* 62. *Agaricus lutcolus et pseudo-unctuosus Batsch el. f.* 37. 120. — *Vaill. bot. t.* 11. *f.* 14. 15.

In nemoribus frondosis et acerosis vulgaris. Aust.

3055. *C. aurantiacus Fr.*, ascomatibus carnosis aurantio-ochraceis, e basi stipitiformi farcta concolore s. discolore in pileum mollem tomentosum subdepressum, saepius excentricum undulatum dilatatis, plicis strictis repetito-dichotomis confertis aurantiacis, demum rugosis. — *Fr. l. l. Merulius aurantiacus Pers. syn.* 488. *Neu syst. f.* 233. *M. pseudo-cantharellus Pers. myc. Agaricus alectorolophus Schaeff. t.* 206. — *M. nigripes Pers. l. l. Agar. cantharelloides Bull. t.* 503. *f.* 2. (*monstrum simile, stipite, ex putredine nigrescente.*)

In similibus cum praeced. locis, nec non in arvis et promontoriis graminosis passim. Aust. Vernales.

m depressum, ambitu repandum desinentibus, turbi-
is, ad latera plicis tenuibus inscriptis, carneo-violaceis.
Fr. syst. I. 322. — *Merulius violaceus et clavatus*
s. obs., syn. 498. (*violacco-spadiceus.*) — *Clavaria*
ncata Schmid. icon. t. 60. *Nees syst. f.* 239. *Elvella*
nea Schaeff. t. 164. *Merulius carneus Pers. l. l.*
ico ochraceo.)
In campis abietinis ad caudices, nec non ad truncos
rciños passim. Auctumno.

347. DAEDALEA PERS. *Buchtenschwamm.*

Ascoma coriaceum s. suberosum tenax, saepius sessile
idiato-s. integro-pileatum, ex pagina aversa conformi
as homogenas concretas, primum obtusas (velutinas),
n tenuatas prominentes scalari-lamellares simplices s.
hotomas, ad latuscula ascis tenuibus foetas, isthmos
rius longiusve disseptos, sinus porosos s. lamellas tra-
ulis connexas (iisque demum saepius transversim fissis)
ntientes obvallantes exserens.
(*Daedalea Pers. Lk. Nees. Fr. Agarici, Boleti, Me-*
ii et Sistotrematis sp. auct.) Plicis inexplicatis in
omate horizontaliter dissecto Tuberis viscera, expli-
is iisque simplicibus Agaricum, repetito-confertim-
dichotomis s. obtuso-furcatis Polyporum, transver-
fissis, radulas veluti spathulares informando Hyd-
n s. Sistotrema haud male refert, eximie tamen differt.

† *resupinatae, ascomatibus resupinatis, supra lamel-*
i-scalaribus. (Suspectae, quippe omnes sp. resupina-
nis casui obnoxiae.)

3058. *D. latissima Fr.*, ascomatibus effuso-resu-
atis crassis suberosis sublignescentibus duris undulatis
lidis, supra lacunis subrotundis elongatisque flexuosis
ratis. — *Fr. syst. I.* 340. *D. vermicularis Pers. myc. II.* 2.
Ad latera truncorum fagineorum supina rarius.

†† *apodes, ascomatibus sessilibus dimidiatis.*
* *sinuosae, plicis lamellaribus* confertim-disseptis,
mum poros, dein isthmos sinuosos clausos s. trans-

versim scissos lisque radulas sputularcs s. aciculares mentientes informantibus.

3059. *D. rubescens A. et Schw.*, ascomatibus albido-pruinosis subcarnoso-suberosis tenuibus laevibus pallido-rubescentibus, sinubus elongatis rectis angustis. — *Alb. et Schw. nisk.* 238. *Fr. syst. I.* 339.

Ad Salices capreas, v. c. Lusatiae. (*A. et Schw.*) Aut.

3060. *D. gibbosa Pers.*, ascomatibus sessilibus elasticis albidis villosis, e basi porrecta gibbosis, sinubus linearibus brevibus angustis rectiusculis. — *Pers. syn.* 501. *Fr. syst. I.* 338. *Merulius gibbosus Pers. obs. Boletus suberosus L.*

Ad truncos Fagi, Salicum et Betularum rarius. Aut.

3061. *D. suaveolens Pers.*, ascomatibus sessilibus dimidiatis coriaceo-suberosis glabris e niveo subfulvis, sinubus elongatis irregularibus rufescentibus. — *Pers. syn.* 502. *Fr. syst. I.* 337. *Boletus suaveolens Bull. t.* 319.

Ad truncos salicinos, rarius. Auctumno.

3062. *D. radiolus Fr.* ascomatibus [illegible]

d truncos S[illegible]bi aucupariae et torminalis rarius.

064. *D. quercina Pers.*, ascomatibus dimidiatis
libus suberosis crassiusculis duris utrinque subcon-
ibus, supra vellere sericeo stipato in tegmen rugu-
n coacto tectis, subtus plicis lamellaribus crassis ve-
s inaequaliter-obtuseque dichotomis, isthmos breviores
oresve obvallantibus, raro transversim scissis obtectis.
ers. syn. 500. *Fr. syst. I.* 333. *Merulius quercinus*
disp. Agaricus dubius Schaeff. t. 331. *A. labyrin-*
mis Bull. t. 352. t. 442. *A. quercinus L. Bolt.* t. 73.
d caudices quercinos antiquos, ubertim per totum
n. (Coram sunt monstra resupinata, stipitata et ra-
ia praeter alios lusus.)

lamellatae, plicis subsimpliciter lamellaribus.

065. *D. trabea Fr.*, ascomatibus sessilibus dimi-
suberosis glabris sordide-fuscis subimbricatis, supra
ssime tomentosis, plicis lamellaribus subsimplicibus
o-rutilis. — *Fr. syst. I.* 335. *Agaricus trabeus*
syn. praef. 29.
d trabes abietinas rarius. Per totum annum.

066. *D. abietina Fr.*, ascomatibus sessilibus di-
tis s. deorsum decurrentibus suberoso-coriaceis, supra
e umbrino stipato zonato, dein coacto-glabrescente
lo tectis, subtus plicis lamellaribus latescentibus
dori-velutinis rectis subsimplicibus s. sinuato-dicho-
glaucosporis munitis. *Fr. l. l. Agaricus asserculorum*
id. spic. 134. *A. abietinus Bull.* t. 442. *Pers. syn.* 486.
d trabes abietinas, pro vario situ varians, per tot. annum.

067. *D. sepiaria Sw.*, ascomatibus sessilibus di-
tis coriaceis strigoso-tomentosis zonatis spadiceis
ato planiusculis, margine lamellisque ramoso-implexis
centibus. — *Sw. Fr. syst. I.* 333. *Agaricus sepia-*
Pers. syn. 487. *Merulius squamosus et sepiarius*
id. l. l. A. quercinus Humb. frib. n. 125. *A. sepiarius*
f. A. betulinus All. A. tricolor Bull. t. 541. *A. hir-*
Schaeff. t. 76.
ligna pinea putrida vulgaris. Perennis.

3068. *D. betulina Rebent.*, ascomatibus sessilibus dimidiatis s. subrotundatis coriaceis tomentosis dilutius saturatiusve zonatis, lamellis rectis subsimplicibus obtusque dichotomis latescentibus pallidis. — *Rebent.* syn. 371. *Flor. dan. t.* 1555. *Fr. l. l. Agaricus labyrinthiformis Wilk. gryph. A. coriaceus Bull. t.* 537. *Pers. syn.* 486. *A. quercinus Schaeff. t.* 57. *A. versicolor Vill. Pers. (ascom. supra fusco gryscoque zonatis.) A. flabelliformis Scop. A. betulinus L.*

Ad caudices arborum, Betulae praeprimis, Quercus, Salicum, ubertim per totum annum.

††† *mesopodes, ascomatibus stipitatis.*

3069. *D. biennis Fr.*, ascomatibus subcoriis depresso-hemisphaericis, dein cyathiformibus margine repando reflexis subvelutinis subferrugineis, sinubus angustis subporosis irregularibus labyrinthiformibus albidis, vix cinereis facile laceris, stipite ferrugineo obeso, basin versus parce-villoso. — *Fr. syst. l.* 332. *Sistotrema rufescens et bienne Pers. syn.* 550. *Nees syst. f.* 228. *Boletus bien-*

r. superne pileatum, inferne aequaliter inaequaliterve lamellosum. Asci colore et loculis varii.

(*Amanita, Russula, Agaricus, Lactarius, Coprinus Pers. disp. meth. Lk. obs. I. 33. Agaricus L. Pers. Necs. Fries. Volva, Amanita, Fungarius, Gelona, Kulma, Petrona Adans. Amanita Dill. Lam. Juss. Fungus et fungi spec. auct. priscorum et mediae aetatis.* — Genus vastissimum, veluti patruum, a *Friesio*, duce certissimo, nuper post multorum conamina, mirando ad trutinam vocatum studio et felicissimo successu retractatum, antea inconditum omnino synonymorumque farragine fastidiens.

I. melanospori, sporidiis nigrescentibus.

A. coprini, ascomatibus ephemeris sacpius, pileis membranaceis ovato-conicis, dein campanulatis, velo universali concreto flocculoso fugaci, lamellis inaequalibus liberis tenerrimis simplicibus, contabescendo in laticem nigricantem spurcum ocius jam diffluentibus et inquinantibus, ascis segregatis majusculis quaternatim junctis nigricantibus, stipitibus fistulosis strictis fragilibus.

(*Agaricus Coprinus Pers. syn. Necs. Fr. Coprinus Pers. disp. Lk. Fungi fugaces Batsch. Ag. atramentarii Scop.*)

3071. *A. ephemerus Bull.*, ascomate tenui mox glabro, pileo campanulato, dein expanso fisso-striato subcinereo involvendo diffluente, lamellis distantibus, stipite tenui nudo albido. — *Bull. fung. t. 542. f. 1. Pers. syn. 406. Fr. syst. I. 313. A. stercorarius Scop. Sowerb. t. 262. A. momentaneus Bull. l. l. t. 128. A. crenulatus Flor. dan. t. 382. f. 2.*

In stercorariis passim suoque tempore.

3072. *A. radiatus Bolt.*, ascomate tenerrimo fugaci, pileo primum ovato cinereo-tomentoso, dein deplanato radiato-fisso glabro ochraceo, lamellis paucis, stipite filiformi. — *Bolt. t. 39. Pers. syn. 407. Alb. et Schw. nisk. 200. Fr. syst. 313. A. stercorarius Bull. t. 68. et 542. f. 2.*

In fimo vaccino locorum roridorum passim.

3073. A. plicatilis Curt., ascomate tenerrimo,

pileo primum subcylindrico furfuraceo, dein umbilicato tenuiter papyraceo hyalino exsucco expanso nudiusculo, plicis sulcatis tendineis subfurcatis carneis, dein hiantibus exarato cinereo-fuscescente, lamellis annulato-adnexis, dein remotis angustatis linearibus gyroso-flexuosis nigrescentibus, stipite gracili glabro exserto. — *Curt. Souerb. t.* 364. *Fr. syst. I.* 312. *A. pulcher Pers. syn.* 404. *cum var. β. subsimili. A. semistratus Flor. dan. t.* 1134.

In terra hortorum stercore subacta inque ipso fimo vaccino et equino promontoriorum odorum circa Northusam minime raro, aestate, Jove pluvio emergens eodemque die sole tactus contabescens.

3074. *A. lagopus Fr.*, pileo campanulato-explanato, primum flocculoso albido-cinereo, dein nudo radiato-sulcato magis livescente, lamellis linearibus remotis nigris, stipite debili praelongo, basi lanato. — *Fr. syst. I.* 312.

In nemoribus roridis Hercyn. infer. inter folia emergit.

3075. *A. papillatus Batsch*, pileo papillato furfuraceo gryseo, margine striato, lamellis atris limbum albidum exserentibus, stipite aequali unciali inquinato. — *Batsch cont. I. t.* 78. *Pers. syn.* 406. *Fr. syst. I.* 312.

Ad latera viarum German. mediae. (*Batsch.*)

3076. *A. Sceptrum Jungh.*, ascomatibus gregariis tenerrimis ephemeris cinerascentibus, pileo membranaceo umbonato-campanulato sulcato laevi, lamellis distantibus melanosporis, stipite aequali fistuloso cinerascente. — *Junghuhn in Schlechtd. Linn.* 1830. *p.* 406. *t.* 6. *f.* 10.

In areis graminosis agri mansfeld. (*Junghuhn.*)

3077. *A. narcoticus Batsch*, pileo conico-cylindrico squamulis recurvatis villoso albo, dein obtuso glabrescente striato, lamellis nigrescentibus, stipite gracili aequali subvilloso. — *Batsch l. l. cont. I. f.* 77. *Pers. syn.* 405. *Fr. syst. I.* 312.

Ad terram semitarum German. mediae. (*Batsch.*)

3078. *A. domesticus Bolt.*, pileo membranaceo campanulato obtuso furfuraceo undulato-sulcato, vertice nudiusculo spadiceo, lamellis linearibus confertis, primum

albis, ocius rubentibus brunneoque nigrescentibus, stipitibus fragilibus subsericeis caespitosis elongatis. — *Bolt. t.* 26. *Pers. syn.* 401. *Fr. syst. I.* 311. *A. sociatus Schum.*
Juxta muros udos domiciliorum, auctumno.

3079. *A. niveus Pers.*, pileo primum subclavato, dein campanulato magisque sensim expanso revoluto squamuloso-farinoso stipiteque tomentoso niveis, lamellis distantibus angustis fusco-nigricantibus. — *Pers. syn.* 400. *Flor. dan. t.* 1671. *Fr. syst. I.* 311.
Ad fimum equinum in nemoribus udis.

3080. *A. cinereus Bull.*, pileo membranaceo conico subtomentoso cinereo, a vertice inde sensim glabrescente, lamellis linearibus (angustissimis) punctatis subflexuosis, stipite candido tomentoso-squamoso. — *Bull. t.* 88. *Schaeff. t.* 100. *Flor. dan. t.* 1195. (*solito magis furfuraceus.*) *Pers. syn.* 398. *Fr. syst. I.* 310. *A. fimetarius L. suec. ?A. cylindricus Schaeff. t.* 8. (*lusus squamosus.*)
α. margaritaceus, pileo margaritaceo. — *A. margaritaceus Schaeff. t.* 216. *A. strictus Pers. syn.* 399.
β. tomentosus, stipite breviore, tenuiore. — *A. tomentosus Bull. t.* 138. *B. t.* 156.
γ. calvus, pileo calvo. — *A. pullatus Bolt. t.* 20.
δ. stellatus, stipite basi stellatim fisso. — *A. astroideus Fr. syst. I.* 312. *A. stellatus Hoffm.*
ε. macorrhizus, stipite in mycelia rhizomorpha valida expanso. — *A. macorrhizus Pers. syn.* 398.
In nemoribus udis, tum ad fimum, tum ad terram truncosque exesos, auctumno exeunte passim, varietatum l. aliarumque mater feracissima. (Volvae rudimentum circa basin residuum semper adest.)

3081. *A. micaceus Bull.*, pileo membranaceo tenuiter sulcato squamuloso-furfuraceo s. calvo versicolore (ferrugineo, ochraceo, livido magis et badio), lamellis confertis primum albo-roseis, dein nigrescentibus, aciem saturatiorem tendineam revolventibus, stipitibus fragilibus aequalibus caespitosis. — *Bull. t.* 246. *t.* 565. *Flor. dan.*

t. 1193. *Fr. syst. l.* 309. *Grev. cr. t.* 76. *A. extinctorius Bull. t.* 437. *A. ferruginosus Pers. syn.* 400. *Schum. A. digitellus Batsch. Flor. dan. t.* 1371. *A. congregatus Sowerb. t.* 261. *A. lignorum Scop. Schaeff. t.* 6.

Ad truncos hortorum nemorumque, Jove pluvio, quocunque, praeter brumam, tempore, passim, valde tamen polymorphus.

3082. *A. deliquescens Bull.*, pileo membranaceo striato fuligineo tenui, lamellis linearibus lurido-nigris, limbo saepe albicantibus, stipitibus aequalibus nudiusculis subcaespitosis. — *Bull. t.* 558. *f.* 1. *Fr. syst. l.* 302. *A. bicolor Flor. dan. t.* 1070. *A. fuscescens Schaeff. t.* 17.

Ad terram arborumque truncos passim.

3083. *A. atramentarius Bull.*, pileo subcarnoso campanulato fuscescente, dein vertice squamoso revoluto, lamellis ventricosis ex albo-purpureo-fuscis, stipitibus aequalibus nudis caespitosis. — *Bull. t.* 164. *Fr. syst. l.* 308. *A. plicatus Lightft. Pers. syn.* 396. *A. deliqu-*

lamellis purpurascentibus, stipite attenuato, basi annulato. — *Fr. syst. I.* 308.

In fimo vaccino Thuring. Auctumno.

3086. *A. ovatus Schaeff.*, pileo campanulato dense minuteque squamoso cinereo, dein a margine fissili inde deliquescente, lamellis primum umbrinis, dein atris, stipite in basin rhizoden (radicatum *Fr.*) producto. — *Agaricus comatus Fr. syst. I.* 307. *A. ovatus Schaeff. t.* 7.

In hortis fimo pingui subactis.

3087. *A. comatus Müll.*, pileo subcarnoso, primum cylindrico squamoso albo, dein expanso, squamis comosis imbricatis obtecto, demum praeter umbonem revolvendo liquescente, lamellis albis dein purpurascentibus, stipite intus molliter farcto subbulboso, annulo mobili. — *Müll. fl. dan. t.* 384. *Schmid. icon. t.* 10. *Pers. syn.* 395. *Fr. syst. I.* 307. *A. fimetarius Bolt. t.* 14. *et alior. A. cylindricus With. Sowerb. A. typhoides Dull. t.* 582. *A. porcellanus Schaeff. t.* 46. 47.

In hortis ruderibusque pinguibus, passim.

3088. *A. flavicomus W.*, pileo carnoso, primum conico, dein campanulato, a vertice papilloso inde squamulis villosis flaventibus obtecto, lamellis confertis ferrugineo-purpurascentibus, dein nigrescentibus, stipite crasso furfuraceo. — *Agaricus giganteus Schaeff. t.* 84. *Fr. syst. I.* 314. *(inter dubias sp.)*

Ad saepes hortorum patruorum. (Nolui omittere sp. claram, ad sequentem tribum vergentem.)

B. coprici, ascomatibus diutius persistentibus, pileis carnosulis s. membranaceis glabris, velo margine adfixo, plerumque fugacissimo, rarius annuliformi, lamellis caducis melanosporis, stipite tenui fistuloso, a pileo discreto subfragili. (Agaricorum tribus 36. Coprinarius Fr. Coprini et Pratellae sp. Pers.)

† *striati, pileo membranaceo, dein striato, vix revoluto, lamellis adfixis s. liberis liquescentibus, stipitibus fragilibus gregariis.*

3089. ***A. disseminatus Pers.***, ascomatibus parvis gregariis, pileo ovato-campanulato (digitaliformi), primum ochraceo, dein gryseo-virescente plicato, lamellis angustis remotis adnexis albido-cinerascentibus, stipite incurvo glabro. — *Pers. syn.* 403. *Fr. syst. I.* 305.

α. minutulus, ascomatibus debilibus gregariis, ocissime caducis, pileo pallide ochraceo dein gryseo-cinerascente, lamellis adnexis. — *A. disseminatus α. Pers. Fr. A. Tintinnabulum Batsch cont.* 1. *f.* 2. *A. minutulus Schaeff.* t. 308.

β. striatus, pileo sulcato. — *Sowerb.* t. 166. *A. striatellus Batsch.*

γ. digitaliformis, pileo albo s. rufescente, primum oviformi dein digitaliformi, margine striis nigris notata, lamellis liberis albentibus, dein nigrescentibus, stipite stricto elongato. — *Bull.* t. 22. et t. 525. *f.* 1. *A. congregatus Bull.* t. 94. *(forsan pr. sp.) A. petasiliformis Hunb.*

Ad truncos arborum muscosos eorumque cavitates humum tersam foventes, Salicum praeprimis, Populorum et Tiliarum. Vere et auctumno.

liberis albo-purpurascentibus, dein nigrescentibus, stipite subradicato glabro. — *Bull. t.* 558. *DC. gall. II.* 150. *Fr. syst. I.* 305.

In dumetis promontoriorum pinguium Thuring.

3093. *A. conocephalus Bull.*, pileo conico striato livido-pallescente obtuso, lamellis liberis fusco-nigrescentibus, stipite longo albo in basin crassiorem desinente. — *Bull. t.* 563. *Pers. syn.* 427. *Alb. et Schw. nisk.* 206. *Fr. syst. I.* 306.

Ad sepes hortorum pinguium rarius. Auctumno.

3094. *A. subliquescens Schum.*, pileo carnosulo conico subviscido pallido, dein explanato fusco-striato, lamellis subliberis albido-fuscis, stipite attenuato. — *Schum. saell. II.* 358. *Fr. syst. I.* 304.

Ad fimum vaccinum Thuring., ni fallor.

3095. *A. titubans Bull.*, ascomatibus debilibus glaberrimis, pileo pertenui viscoso plicato flavente, primum campaniformi dein explanato, lamellis adnexis purpurascentibus, mox incarnato-fuscis, stipite aequali nitido-lutescente. — *Bull. t.* 425. *f.* 1. *Sowerb. t.* 128. *Pers. syn.* 415. *Alb. et Schw. nisk.* 202. *Fr. syst. I.* 304.

Ad fimum vaccinum locorum roridorum.

3096. *A. vitellinus Pers.*, pileo campaniformi viscido vitellino subfissili, lamellis adnexis distantibus argillaceis, stipite aequali squamuloso pulverulento. — *Pers. syn.* 402. *Fr. syst. I.* 303.

β. flavidus, pileo convexo, stipite glabro. — *A. Boloni Pers. syn.* 415. *Fr. syst. I.* 303. *A. flavidus Bolt.* 149. nec *Schaeff.*

Ad fimum in pascuis udis. Auctumno.

3097. *A. superbus Jungh.*, pileo tenui carnosulo laevi campanulato lutescenti-pallido, lamellis liberis pureo-nigris, stipite fistuloso albido gracili. — *Jungh. I.* 405. *t.* 6. *f.* 11.

In pinetis umbrosis Hercyn. (*Junghuhn.*)

†† *corrugati, pileo carnosulo conico-campanulato obtuso, demum corrugato, lamellis adnatis cinereo-nigroque variegatis.*

3098. *A. subtilis Fr.*, pileo submembranaceo campaniformi laevi albido, lamellis adnatis latiusculis cinereo-nigricantibus margineque albicantibus, stipite glabro fragili eburneo. — *Fr. syst. I.* 302. *A. papyraceus Pers. syn.*
Ad fimum vaccinum lucorum udorum Thuring.

3099. *A. fimicola Pers.*, pileo subcarnoso hemisphaerico alutaceo rufescente, lamellis latiusculis adnatis fuscis, stipite fistuloso nitido fuscescente. — *Pers. syn.* 412.
In pascuis nec non in stercore vaccino Germaniae mediae. (*Persoon.*)

3100. *A. caliginosus Jungh.*, pileo carnoso campanulato brunneo-nigrescente, lamellis liberis fuligineo-nigris, apice basique aequaliter acuteque attenuatis, stipite fistuloso aequali fragili. — *Jungh. l. l. t. 6. f. 13.*
In humo saxorum Hercyn. infer. (*Junghuhn.*)

3101. *A. papilionaceus Bull.*, pileo carnoso campaniformi, dein (exsiccando) rufescente s. cinereo-fuligineo, lamellis adnatis confertis cinereo-nigrescentibus, margine dilutiore vittatis, stipite elongato rufescente apicem versus striato atro-pulverulento. — *Bull. t. 56. f. 561. Pers. syn. 410. Fr. syst. I. 301. A. carbonarius Batsch pr. pr. A. varius Pers. icon. A. acuminatus Schaef. t. 202. A. campanulatus L. succ. pr. pr.*
In fimetis terraque stercore subacta passim.

3102. *A. clypeatus Bolt.*, pileo subcarnoso campaniformi, (vivo) pallido-cinerascente, (siccando) livescente, lamellis adnatis ventricosis nigro-cinerascentibus, margine concoloribus demum liquescentibus, stipite praelongo rufescente, annulo laxo succincto. — *Agaricus sinopatus Bull. t. 66. Fr. syst. I. 300. A. clypeatus Bolt. t. 57. A. semiovatus Schum.*
Ad fimum vaccinum Thuring., rarius. Autumno.

3103. *A. separatus L.*, pileo carnoso obtuso e-

uso argillaceo-albido, lamellis adnatis cinereo-atris, ipite longo albido, annulo laxo albo integro. — *L.* ec. t. 1220. *Dub. gall. II.* 804. *A. semiovatus Sowerb.* 131. *Pers. syn.* 408. *Fr. syst. I.* 300. *A. ciliaris Bolt.* 53. *A. nitens Bull. t.* 84.

In similibus cum praecedent. locis.

C. clavati, pileis carnosis umbonato-turbinatis ...*sis glabris, margine inflexo, velo, praeter rudimenta* ...*cum tegentia, fugaci, lamellis longius decurrentibus* ...*nis distinctis remotis decoloribus, ascis nigris fusi-* ...*mibus, stipite solido saepius squamuloso.* (*Agaricus* ...*mphus Fr.*)

2104. *A. flavescens W.*, pileo umbonato conico ...scente viscido, dein hemisphaerico s. infundibuliformi ...uratiore, lamellis concoloribus, dein umbrinis longe de-...rrentibus, stipite obeso dilutiore. — *Agaricus visci-* ...*s Schaeff. t.* 97. *Fr. syst. I.* 315. (*inter dubias*) ...*r aliorum.*

In dometis alnetorum Thuring. Auctumno.

2105. *A. rutilus Schaeff.*, pileo umbonato sub-...ceno fusco-rufo nitido, lamellis purpureo-umbrinis de-...um decrescentibus, stipite obeso squamoso-fibrilloso. *Schaeff. t.* 55. *Sowerb. t.* 105. *Fr. syst. I.* 315. *A.* ...*aticus Batsch cont. t.* 15. *A. Gomphus Pers. icon. t.* ..., *syn.* 18. *A. viscidus L.*

In pinetis Hercyn. superioris et Bavariae.

2106. *A. glutinosus Schaeff.*, pileo obtuso glu-...eo purpureo-fusco, lamellis ramosis albido-cinereis, ...pite albido-lutescente obeso. — *Schaeff. t.* 36. *Fr.* ...*t. I.* 315. *Flor. dan. t.* 1247. *A. viscidus Pers. syn.* ...1. *A. limacinus Dicks. A. velatus With. A. lubricus Scop.*

β. roseus, pileo roseo, stipite deorsum tenuato magis, ...dilutius carneo, ascomate pygmaeo. — *Agaricus vi-* ...*dus Nees syst. f.* 197. *B.*

In pinetis Hercyn. superior. passim.

II. phaeospori, sporidiis e fusco-purpurascen lamellis decoloribus nebulosis. (Agaricorum seri Pratella Fr.)

A. psathyri, pileis submembranaceis, juni glandiformibus, dein campaniformibus magisque ex planiusculis fragilibus siccis glabris, fibrillis pot atomis innatis tectis, lamellis plerumque adfixis scentibus, sporidiis fusco-purpurascentibus, stipiti stulosis albis fragilibus. (Agarici Pratellae Pers. syn tellae Mycenae Nees. Agar. tribus 35. Psathyra Fr.

3107. *A. gracilis Pers.*, pileo submembr campaniformi obtuso, lamellis postice latissimis cinereo-nigricantibus, margine roseis, stipite tenui — *Pers. syn.* 425. *Fr. syst. I.* 299. *?A. diffusus cont. I. t.* 111. *A. tentaculum Sowerb. t.* 385.

In hortis collinis inter folia passim.

3108. *A. corrugis Pers.*, pileo membranace paniformi umbonato roseo subrugoso, lamellis violaceo-nigricantibus nebulosis, stipite elongat praeter basin villosam glabro. — *Pers. syn.* 424. *Schw. nisk.* 206. *Fr. syst. I.* 298. *A. carbonari Batsch l. l. f.* 91. *A. pellospermus Bull. t.* 561. *Pers.*) *Dub. gall. II.* 804.

In hortis umbrosis et nemusculis. (*Persoon.*)

3109. *A. cernuus Hornem.*, pileo submembra hemisphaerico livido, sicco albido, lamellis adnatis ci nigricantibus, stipite glabro, apice albo-pulverulento pius incurvo. — *Hornem. fl. dan. t.* 1008. *f.* 1. *Fr. I.* 298. *A. alneti Schum. A. farinulentus Schaeff. bav.* In nemoribus udis, alnetis Hercyn. infer.

3110. *A. bullaceus Bull.*, ascomatibus gr parvulis, pileo submembranaceo rufo, margine s lamellis planis latissimis cinnamomeis, stipite brev mentoso. — *Bull. t.* 566. *f.* 2. *Pers. syn.* 412. *Fr. syst. I.* In fimetis Thuring. passim.

3111. *A. coprophilus Bull.*, pileo

laevi fuligineo-rufescente, lamellis arcuato-adfixis lividis, stipite hirsuto cinerascente. — *Bull. t.* 566. *f.* 3. *Pers. syn.* 412. *Fr. syst. I.* 297.

In similibus cum praecedente locis, rarius.

3112. *A. fibrillosus Pers.*, ascomatibus fragilissimis, pileo submembranaceo striatulo albido, lamellis adnatis purpureo-nigris, stipite elongato fibrilloso-squamoso. — *Pers. syn.* 424. *Fr. syst. I.* 297.

Ad terram inter folia decidua Hercyn. rarissime. (*Pers.*)

3113. *A. Candolleanus Fr.*, pileo subcarnoso laevi, primum spadiceo, dein dilutiore, lamellis adfixis violaceis decoloribus, stipitibus fibrillosis caespitosis, cortina fimbriante. — *Fr. syst. I.* 296. *A. violaceo-lamellatus DC. gall. II.* 143. *A. mutabilis Oed. fl. dan. t.* 774. *A. appendiculatus Bull. t.* 392.

In fagetis Thuring. rarius. (Pileus pro varia aetate versicolor; lamellae juniores limbo albo cinctae; stipites basi incrassati, 2-3 unciales, apicem versus striati.)

3114. *A. stipatus Pers.*, pileo subcarnoso glabro fusco-spadiceo expallente, (siccando) ruguloso, lamellis adnatis confertis incarnato-fuscis, stipitibus caespitosis glabris. — *Pers. syn.* 423. *excl. var. β. Flor. dan. t.* 1673. *Fr. syst. t.* 296. *A. appendiculatus Pers. nec DC. A. xylophilus auct. A. concinnus Bolt. t.* 15. *A. hydrophilus Bull. t.* 511. *A. spadiceus et A. spadiceo-griseus Schaeff. t.* 60. *et t.* 233.

Ad truncos arborum agmine denso cresceus, in capitis formam plerumque congestus. (Variabilis, *Agaricum fuscum Schum. et A. macropodem Pers. syn.* 402. ceu formam annulatam non excludens.)

B. Psilocybae, ascomatibus tenacibus, diutius persistentibus, a liquescenda praecedentium indole alienis, pileis subcarnosis laevibus (saepe viscidis), velum marginale tenuiter-flocculosum ocius exuentibus, lamellis latiusculis, stipitibus tenacibus subfibrillosis. (Psilocybe *Agaricorum trib. 34. Pratella Gymnopus* Nees. Coprini *spec. Pers.)*

3115. *A. foenisecii Pers.*, pileo subcarnoso glabro dilute umbrino sensim magis pallescente, lamellis ventricosis adnexis umbrinis, stipite nudo glabro rufescente. — *Pers. syn.* 411., *icon.* t. 11. *f.* 1. *Fr. syst.* 295.

In areis hortorum graminosis, passim.

3116. *A. campanulatus Bull.*, pileo submembranaceo campaniformi laevi brunneo, lamellis latissimis liberis ferrugineis, stipite laevi fistuloso obsolete annulato. — *Bull.* t. 552. *Pers. syn.* 426. *Fr. syst. l.* 295.

In ericetis udis Thuring. similem saltim legi.

3117. *A. canobrunneus Batsch*, pileo plano convexinsculo laevi fuscescente carnoso, lamellis subliberis fusco-purpureis latescentibus confertis, stipite firmo radicato albido subsquamuloso. — *Batsch cont.* 1. *f.* 165. *Fr. syst. l.* 294.

In areis carbonariorum Hercyn. inferior. passim.

3118. *A. ventricosus Bull.*, pileo conico demum expanso laevi umbrino-pallescente, lamellis adnexis pallide-umbrinis sinuosis subdecurrentibus, stipite basi ventricosa radicato. — *Bull.* t. 411. *Fr. syst. l.* 294.

In versuris arvorum fimo subactorum Thuring. similem legi fungum, nisi eundem.

3119. *A. obtusus Pers.*, pileo campaniformi obtuso nitido carnosulo dilute-badio, lamellis adnatis subnebulosis margine dilutioribus, stipite deorsum incrassato albo-pallescente tenuiter villoso. — *Pers. syn.* 428. *A. obtusatus Fr. syst. l.* 293.

Ad truncos putrescentes Hercyn. (*Persoon.*)

3120. *A. montanus Pers.*, pileo convexo obtuso subspadiceo, dein pallescente, lamellis adnatis planis subdecurrentibus umbrinis, stipite brevi glabro concolore. — *Pers. syn.* 428. *excl. var. β. Fr. syst. l.* 293. *A. atrorufus Schaeff.* t. 234. (*var. stipite fibrilloso.*)

In promontoriis campestribus agri gothani. (*Persoon*), et aliis Thuring. locis haud adeo rarus.

3121. *A. callosus Fr.*, pileo conico tenaci polychloro, margine tenuiter striato, lamellis adnatis adscendentibus atro-purpureis, stipite glabro pallido (ex sporidiis saepius inquinato.) — *Fr. syst. I.* 292., *obs. II.* 180. (*fusus pileo albido.*) *A. semiglobatus Sowerb. t.* 240. *A. semilanceolatus Fr. obs. II.* 178. (*l. pileo lutescente.*) *A. varius Bolt. t.* 66. *Pers. syn.* 414. (*l. pileo livescente.*) *A. campanulatus L. suec. ed.* 2. *nec* 1.

In pascuis et versuris udis Thuring. passim.

3122. *A. udus Pers.*, pileo convexo rugulose testaceo-fulvo s. subochraceo sensim pallescente, lamellis adfixis ventricosis subpurpurascentibus, stipite praelongo ferrugineo, basi fibrilloso. — *Pers. syn.* 414. *Fr. syst. I.* 292. *A. obscurus Schum.*

β. elongatus, pileo submembranaceo obtuso, humido striatulo livido-flavente, lamellis pallide-nebulosis, stipite tenui. — *Ag. elongatus Pers. icon. t.* 1. *f.* 4., *syn.* 384.

In campis turfosis Hercyn. superior., var. *β.* in sphagnosis, anctumni tempore rarius.

3123. *A. ericaeus Pers.*, pileo convexo laevi (subviscoso) nitente, lamellis latescentibus adnatis, praeter marginem albicantem nigricantibus, stipite elongato nudo firmo lutescente. — *Fr. syst. I.* 291.

α. fulvus, pileo ferrugineo-fulvo, siccando fulvo-lutescente. — *A. helvolus Schaeff. t.* 210. *A. ericaeus Pers. syn.* 413.

β. spadiceus, pileo subspadiceo. — *A. nitidus Pers. syn. l. l. ? A. fusco-purpureus With.*

In ericetis udis et betuletis umbrosis. Anctumno.

3124. *A. stercorarius Fr.*, pileo obtuso laevi viscido livido-flavescente, lamellis latescentibus decurrentibus fuscis, dein utrinque olivaceo-nigrescentibus, stipite stricto fibrilloso. — *Fr. syst. I.* 291. *? Schum. nec alior. A. adnatus Huds.*

Ad *fimum vaccinum pascuorum subalpestrium Hercyn. superior. talora. qualem* passim legi.

3125. *A. compactus Schum.*, pileo carnoso umbonato viscoso badio, lamellis adnatis badio-purpureis, stipite longo sericeo. — *Schum. saell. II.* 285. *Fr. syst. I.* 290. *A. sarcocephalus Fr. obs. I.* 51.

In pinetis muscosis Hercyn. superior. Auctumno.

C. hypholomatici, pileis carnosis convexis, primum velo marginali, secedendo margini stipitique adhaerente auctis (cortina), lamellis confertis adnatis, stipite firmo cavo, a pileo discreto. (Agaricorum trib. II. Hypholoma Fr. Pratellae Cortinariae Nees.)

3126. *A. hybridus Bull.*, pileo umbonato, dein convexo ex carne sulfurea conflato, siccando luteo, lamellis adnexis angustis flaventibus dein caesio-purpurascentibus, stipite fistuloso glabro crasso, in basin sensim tenuato. — *Bull. t.* 368. et *t.* 562. *E. II. A. capnoides Fr. syst. I.* 289. *A. turfosus Schum.*

In pinetis roridis Hercyn. super. Auctumno.

3127. *A. marginatus Pers.*, pileo campaniformi ferrugineo, marginem pallidiorem villosum exserente, stipite stricto nitido argenteo fibrilloso. — *A. fascicularis β. marginatus Fr. l. l. A. marginatus Pers.*

In pinetis Hercyn. superior. rarius.

3128. *H. fascicularis Huds.*, pileo subcarnoso umbonato ochraceo, lamellis olivaceo-s. sordide virentibus nebulosis, stipite cavo tenui, cortina nigrescente. — *Huds. Bolt. t.* 29. *Sowerb. t.* 285. *Pers. syn.* 421. *Nees syst. f.* 198. *Fr. syst. I.* 288. *A. lucidus Otto. A. Ligula Spr. mant. A. olivaceus Hoffm. A. jenensis Batsch f.* 29. *A. pulverulentus Bull. t.* 178. *Agaricus lateritius Schaeff. t.* 49.

Ad truncos putridos, salicinos praeprimis, frequens.

3129. *A. lateritius Schaeff.*, pileo carnoso obtuso fulvo-lateritio, primum saepius sericeo s. viscidulo, lamellis subvirescentibus dein nigricantibus, stipite farcto valido, cortina nigrescente. — Schaeff. t. 49. Pers. syn.

II. phacospori, sporidiis e fusco-purpurascentibus. lamellis decoloribus nebulosis. (*Agaricorum series b Pratella Fr.*)

A. psathyri, pileis submembranaceis, juniorib. glandiformibus, dein campaniformibus magisque expans. planiusculis fragilibus siccis glabris, fibrillis potius v. atomis innatis tectis, lamellis plerumque adfixis fuscescentibus, sporidiis fusco-purpurascentibus, stipitibus f. stulosis albis fragilibus. (*Agarici Pratellae Pers. syn. Pratellae Mycenae Nees. Agar. tribus 35. Psathyra Fr. syst.*)

3107. *A. gracilis Pers.*, pileo submembranaceo campaniformi obtuso, lamellis postice latissimis adnatis cinereo-nigricantibus, margine roseis, stipite tenui glabro. — *Pers. syn. 425. Fr. syst. I. 299. ?A. diffusus Batsch cont. I. t. 111. A. tentaculum Sowerb. t. 385.*

In hortis collinis inter folia passim.

3108. *A. corrugis Pers.*, pileo membranaceo campaniformi umbonato roseo subrugoso, lamellis adnatis

3134. *A. squamosus Pers.*, pileo subviscoso luteo, squamis sparsis concentricis, lamellis adnatis nigricantibus, stipite farcto, infra annulum villoso-squamoso. — *Pers. syn.* 409. *Fr. syst. I.* 284.

α. fibrillosus, stipitis squamis fibrillosis reflexis. *A. squamosus α. Pers. A. subcernuus Schum.*

β. strigosus, stipitis tomento strigoso. — *A. distans Pers. A. sphaleromorphus Schum.*

Ad arborum truncos in nemoribus.

3135. *A. semiglobatus Batsch*, pileo hemisphaerico laevi viscoso flavo, lamellis adnatis nigro-nebulosis, stipite fistuloso glabro, apice nigro-punctato. — *Batsch f. f.* 110. *Sowerb. t.* 248. *Pers. syn.* 407. *Fr. syst. I.* 284. *A. praecox Schum. A. glutinosus Curt. A. niveus Bull. t.* 566. *f.* 4. *nec Flor. dan.*

Ad fimum pascuorum sylvaticorum.

3136. *A. purpureo-brunneus Jungh.*, pileo carnoso convexo subumbonato flaventi-brunneo innato-fibrilloso, margine involuto, lamellis purpureo-brunneis, margine albis, stipite aequali albo adpresso-fibrilloso concolore. — *Jungh. l. l.* 404.

In vallibus udis Hercyn. infer. (*Junghuhn.*)

3137. *A. melanospermus Bull.*, pileo carnoso laevi flavo, lamellis rotundato-adnexis e flavo-nigrescentibus, stipite cavo albido deorsum incrassato. — *Bull. t.* 540. *f.* 2. *Pers. syn.* 420. *Fr. syst. I.* 283.

In arvis ver. unisque pinguioribus Thuring.

3138. *A. praecox Pers.*, pileo carnoso laevi aluta-ceo-lutescente obtuso, lamellis adnexis subemarginatis tenuibus pallide-fuscis, stipite subfarcto glabro albo, annulo patulo striato albo, facile caduco. — *Pers. syn.* 420. *Alb. et Schw. nisk.* 205. *Fr. syst. I.* 282. *A. aestivus auct. A. cereolus Schaeff. t.* 51. (*fusus minor.*) *A. candicans Schaeff. t.* 217.

In similibus cum priore locis, perquam vulgaris.

3139. *A. sagatus Fr.*, pileo carnoso laevi lilac-

3115. *A. foenisecii Pers.*, pileo subcarnoso glab[illegible] dilute umbrino sensim magis pallescente, lamellis ventr[illegible] cosis adnexis umbrinis, stipite nudo glabro rufescent[illegible] — *Pers. syn.* 411., *icon. t.* 11. *f.* 1. *Fr. syst.* 295.

In areis hortorum graminosis, passim.

3116. *A. campanulatus Bull.*, pileo subm[illegible] naceo campaniformi laevi brunneo, lamellis latissim[illegible] beris ferrugineis, stipite laevi fistuloso obsolete-annul[illegible] — *Bull. t.* 552. *Pers. syn.* 426. *Fr. syst. I.* 295.

In ericetis udis Thuring. similem saltim legi.

3117. *A. canobrunneus Batsch*, pileo [illegible] convexiusculo laevi fuscescente carnoso, lamellis [illegible] fusco-purpureis latescentibus confertis, stipite [illegible] dicato albido subsquamuloso. — *Batsch cont.* 1. *f.* [illegible] *Fr. syst. I.* 294.

In areis carbonariorum Hercyn. inferior. passim.

3118. *A. ventricosus Bull.*, pileo conico [illegible] expanso laevi umbrino-pallescente, lamellis adnexis [illegible]

3121. *A. callosus Fr.*, pileo conico tenaci polyschoro, margine tenuiter striato, lamellis adnatis adscendentibus atro-purpureis, stipite glabro pallido (ex sporidiis corpus inquinato.) — *Fr. syst. I.* 292., *obs. II.* 180. (*fusus pileo albido.*) *A. semiglobatus Sowerb. t.* 240. *A. semilanceolatus Fr. obs. II.* 178. (*l. pileo lutescente.*) *A. varius Bolt. t.* 66. *Pers. syn.* 414. (*l. pileo livescente.*) *A. campanulatus L. suec. ed.* 2. *nec* 1.

In pascuis et versuris udis Thuring. passim.

3122. *A. udus Pers.*, pileo convexo ruguloso tenaceo-fulvo s. subochraceo sensim pallescente, lamellis ventricosis subpurpurascentibus, stipite praelongo ferrugineo, basi fibrilloso. — *Pers. syn.* 414. *Fr. syst. I.* 292. *A. obscurus Schum.*

β. elongatus, pileo submembranaceo obtuso, humido striatulo livido-flavente, lamellis pallide-nebulosis, stipite tenui. — *Ag. elongatus Pers. icon. t.* 1. *f.* 4., *syn.* 384.

In campis turfosis Hercyn. superior., var. *β.* in sphagnosis, nectumni tempore rarius.

3123. *A. ericaeus Pers.*, pileo convexo laevi (subcinereo) nitente, lamellis latescentibus adnatis, praeter marginem albicantem nigricantibus, stipite elongato nudo fumo lutescente. — *Fr. syst. I.* 291.

α. fulvus, pileo ferrugineo-fulvo, siccando fulvo-lutescente. — *A. helvolus Schaeff. t.* 210. *A. ericaeus Pers. syn.* 413.

β. spadiceus, pileo subspadiceo. — *A. nitidus Pers. syn. l. l.* ? *A. fusco-purpureus With.*

In ericetis udis et betuletis umbrosis. Auctumno.

3124. *A. stercorarius Fr.*, pileo obtuso laevi viscido livido-flavescente, lamellis latescentibus decurrentibus fuscis, dein utrinque olivaceo-nigrescentibus, stipite stricto fibrilloso. — *Fr. syst. I.* 291. ? *Schum. nec aliar. A. adnatus Huds.*

Ad fimum vaccinum pascuorum subalpestrium Hercyn. superior. talem qualem passim legi.

3125. *A. compactus Schum.*, pileo carnoso umbonato viscoso badio, lamellis adnatis badio-purpureis, stipite longo sericeo. — *Schum. saelt. II.* 285. *Fr. syst. I.* 290. *A. sarcocephalus Fr. obs. I.* 51.

In pinetis muscosis Hercyn. superior. Auctumno.

C. hypholomatici, pileis carnosis convexis, primum velo marginali, secedendo margini stipitique adhaerente auctis (cortina), lamellis confertis adnatis, stipite firmo cavo, a pileo discreto. (Agaricorum trib. 33. Hypholoma Fr. Pratellae Cortinariae Nees.)

3126. *A. hybridus Bull.*, pileo umbonato, dein convexo ex carne sulfurea conflato, siccando luteo, lamellis adnexis angustis flaventibus dein caesio-purpurascentibus, stipite fistuloso glabro crasso, in basin sensim attenuato. — *Bull. t.* 368. *et t.* 562. *E. H. A. capnoides Fr. syst. I.* 289. *A. turfosus Schum.*

In pinetis roridis Hercyn. super. Auctumno.

3127. *A. marginatus Pers.*, pileo carnoso-[illegible]

121. *Fr. syst. I.* 288. *A. amarus Bull. t.* 30. *t.* 262. *A. [illegible] Flor. dan. t.* 890. *A. mutabilis Scop.*

In similibus cum praecedente locis. Auctumno.

3130. *A. vilaceus Pers.*, ascomatibus gregariis, pileo carnoso viscoso aurantio-rufo (bulari), lamellis confertis cinereo-virentibus, stipite bulboso cortinato. — *Pers. syn.* 421. *A. lateritii var. bulbosa Fr. l. l.*

Ad terram promontoriorum udorum Thuring. rarius.

3131. *A. lacrimabundus Bull.*, pileo carnoso pleno-squamoso albo-fusco, lamellis umbrinis latescentibus, stipite cavo fibrilloso. — *Bull. t.* 525. *f.* 5. *Sowerb. t.* 41. *Fr. syst. I.* 287.

β. velutinus, pileo umbonato ferrugineo, lamellis fusco-subulatis. — *A. velutinus Pers. syn.* 409.

Ad truncos arborum in pascuis Thuring. passim.

D. psallii, pileis magis minusve carnosis convexis, dein campaniformibus expansis viscosis s. squamis fibrillosis obtectis, lamellis latescentibus fuscescentibus, velo annuliformi subpersistente, stipite firmo discreto. (Agaricorum trib. 32. *Psalliota Fr. Pratella Lepiota Nees. Lepiotae sp. Pers.)*

3132. *A. aeruginosus Curt.*, pileo carnoso lieto, glutine coeruleo secedente collinito virente, lamellis adnatis planis purpureo-fuscis, stipite cavo squamoso. — *Curt. lond. t.* 309. *Flor. dan. t.* 1373. *Pers. syn.* 419. *Fr. syst.* 1. 286. *A. beryllus Batsch cont.* 2. *f.* 213. *A. pulitus Bolt. t.* 30. *Flor. dan. t.* 1248. *A. cyaneus Bull. t.* 170. *t.* 530. *A. viridulus Schaeff. t.* 1. *A. acuminatus Scop.*

Ad truncos arborum nemorensium passim.

3133. *A. echinatus Roth*, pileo subcarnoso plano convexiusculo squamoso-echinato fuliginoso, margine membrana lacera cincto, lamellis adnatis miniatis, stipite fistuloso reflexo-squamoso purpurascente. — *Roth cat.* II. t. 9. *f.* 1. *Pers. syn.* 419. *Fr. syst. I.* 286.

In repositis Germananiae. (Roth.)

Var. α. ad terram, β. ad truncos Thuring. passim. (Compages Boleti; lamellae plicaeformes saepius Daedaleae querciuae.)

3157. *A. subreflexus Otto*, pileo carnoso subinvoluto candido, lamellis subumbrinis, stipite solido tenui flavescente. — *Otto agar.* 77. *Fr. syst. I.* 271.
Ad terram Saxoniae. (*Otto.*)

3158. *A. Tricholoma A. et Schw.*, pileo subcarnoso albido, pilis a vertice inde adpressis, ad marginem propexis strigosis obtecto, lamellis confertis decurrentibus ex argillaceo-fuscescentibus, stipite tenui farcto squamuloso. — *Alb. et Schw. nisk.* 188. *Fr. syst. I.* 270.
Ad promontoria declivia Lusatiae. (*Alb. et Schw.*)

3159. *A. hirneolus Fr.*, pileo subcarnoso glabro plano-umbilicato nitente tenaci e cinereo albente, lamellis cinerascentibus, stipite tenui basi albo-villoso. — *Fr. syst. I.* 269. *A. cricetorum Schum. A. nigrella Pers. syn.* 463. (*ceu forma minor ac junior.*)
β. *undulatus*, pileo inaequali undulato, lamellis stipiteque cavo gryseis. — *Bull. t.* 535. *f.* 2. *Pers. syn.* 371.
Ad terram glareosam muscosam Hercyn. infer.

3160. *A. fragilis Batsch*, ascomate tenero fragili subundo, pileo leviter carnoso glabro convexo, dein umbilicato (sicco) ochraceo, margine dilutiore, lamellis carneo-rubellis dein luridis, stipite solido brevi subfibroso. — *Batsch cont.* 1. *f.* 215. *Pers. syn.* 455.
Ad terram pinetorum Thuring. passim.

C. galericulati, pileis conicis, dein campaniformibus membranaceis, humidis substriatis, siccis laevibus expallentibus nudis, lamellis adnexis s. adnatis ferrugineis. (*Agaricorum trib.* 28. *Fr. Mycenae sp. Pers.*)

3161. *A. pityrius Fr.*, pileo conico-subcampaniformi viscoso striato lurido, lamellis adnexis confertis aquoso-cinnamomeis, stipite argenteo, apice albo-pulverulento. — *Fr. syst. I.* 268.
In nemoribus humidis Hercyn. infer. passim.

lamellis liberis umbrinis, stipite cavo fragili obeso, annulo albo patulo. — *Fr. syst. I.* 282. *A. mutabilis Flor. dan.* t. 1008. *f.* 2.

In pratis humectis Thuring. auctumno.

3140. ? *A. haematospermus Bull.*, ascomatibus gregariis teneris, pileo umbonato, dein depresso glabro argillaceo-flavente, lamellis liberis ventricosis lateritio-rubis, stipite fistuloso tenui, annulo exiguo. — *Bull. t.* 595. *f.* 1. *Fr. syst. I.* 282.

In promontoriis graminosis Thuring.

3141. *A. campestris L.*, pileo carnoso umbonato polychloro (albo, flavente, rufescente, umbrino) stipato-squamoso s. subaericeo, lamellis liberis confertis ventricosis, primum albidis, mox carneo-rubentibus, dein e fusco-s. cinereo nigrescentibus, stipite farcto albo, annulo consolore vario. — *L. suec. n.* 1203. *Flor. dan. t.* 704. *Schaeff. bav. t.* 33. *Sowerb. t.* 305. *Grev. scot. t.* 161. *Pers. syn.* 418. *Fr. syst. I.* 281. *A. modestus et pellitus Batsch. A. Pratella fl. wett. A. edulis Bull. t.* 134. *t.* 514. *Nees syst. f.* 195. *Pers. l. l. A. alutarius Pers. A. arvensis, pratensis et sylvaticus Schaeff.*

In versuris dumetisque siccis ubertim. Auctumno.

3142. *A. cretaceus Bull.*, pileo carnoso amplo umbonato-convexo obtuso, polito cretaceo-candicante laevi, rarius in squamulas teneras diducto, lamellis latis liberis, primum albido-carneis, dein remotis carneo-fuscescentibus, stipite dein cavo laevi, annulo adscendente lacero vario. — *Bull. t.* 374. *Fr. syst. I.* 280. *nec Pers. A. cepaestipes a. DC. gall. II.* 202. *excl. syn.*

In aggeribus et versuris pinguibus Thuring. passim. Auctumno.

E. volvati, pileis carnosis campanulatis sericeis s. subcidulis, lamellis liberis ventricosis latescentibus (ex albo-carneis) nebulosis thesisque prominulis veluti asperulis, vele universali simplici discreto, primo juventute totum ascoma ovatum involucrante (volva), dein stipite

Var. α. ad terram, β. ad truncos Thuring. passim. (Compages Boleti; lamellae plicaeformes saepius Daedaleae quercinae.)

3157. *A. subreflexus Otto*, pileo carnoso subinvoluto caudido, lamellis subumbrinis, stipite solido tenui flavescente. — *Otto agar.* 77. *Fr. syst. I.* 271.
Ad terram Saxoniae. (*Otto.*)

3158. *A. Tricholoma A. et Schw.*, pileo subcarnoso albido, pilis a vertice inde adpressis, ad marginem propexis strigosis obtecto, lamellis confertis decurrentibus ex argillaceo-fuscescentibus, stipite tenui farcto squamuloso. — *Alb. et Schw. nisk.* 188. *Fr. syst. I.* 270.
Ad promontoria declivia Lusatiae. (*Alb. et Schw.*)

3159. *A. hirneolus Fr.*, pileo subcarnoso glabro plano-umbilicato nitente tenaci e cinereo albente, lamellis cinerascentibus, stipite tenui basi albo-villoso. — *Fr. syst. I.* 269. *A. cricetorum Schum. A. nigrella Pers. syn.* 463. (*ceu forma minor ac junior.*)
β. *undulatus*, pileo inaequali undulato, lamellis stipiteque cavo gryseis. — *Bull. t.* 535. *f.* 2. *Pers. syn.* 371.
Ad terram glareosam muscosam Hercyn. infer.

3160. *A. fragilis Batsch*, ascomate tenero fragili subnudo, pileo leviter carnoso glabro convexo, dein umbilicato (sicco) ochraceo, margine dilutiore, lamellis carneo-rubellis dein luridis, stipite solido brevi subfibroso. — *Batsch cont.* 1. *f.* 215. *Pers. syn.* 455.
Ad terram pinetorum Thuring. passim.

C. galericulati, pileis conicis, dein campaniformibus membranaceis, humidis substriatis, siccis laevibus expallentibus nudis, lamellis adnexis s. adnatis ferrugineis. (*Agaricorum trib.* 28. *Fr. Mycenae sp. Pers.*)

3161. *A. pityrius Fr.*, pileo conico-subcampaniformi viscoso striato lurido, lamellis adnexis confertis aquoso-cinnamomeis, stipite argenteo, apice albo-pulverulento. — *Fr. syst. I.* 268.
In nemoribus humidis Hercyn. infer. passim.

c. rufescentibus (*Agaricorum trib. 30. Crepidotus Fr.*) *A. Necrospi sp. Pers.*)

† *villosi, ascomatibus minoribus, pileo submembranaceo villoso.*

2147. *A. pezizoides Nees*, ascomatibus sessilibus reversis cyathiformibus olivaceo-fuscis, extus granulosis, lamellis crassiusculis ventricosis paucis rufescentibus. — *Nees act. nat. cur. IX.* 249. *t.* 6. *f.* 18. *Fr. syst. I.* 276.

Ad palos salicinos putridos Thuring. rarius.

2148. *A. hysteiscdus Pers.*, pileo tenui villoso gryseo, primum resupinato, dein horizontali, lamellis adnato-decurrentibus ventricosis, stipite incurvo, mycelio rhizoideo alba basi spargente. — *Pers. icon. t.* 14. *f.* 4. *syn.* 482. *Fr. syst. I.* 276.

Ad truncos (Fagorum) putredine exesos passim.

2149. *A. violacco-fulvus Batsch*, pileo tenui sessili reniformi tomentoso fragili fusco-purpurascente, lamellis ventricosis concoloribus. — *Batsch elench. f.* 39. *Pers. syn.* 483. *Nees syst. f.* 180. *Fr. syst. I.* 276.

Ad trabes humidas liguumque salicinum putridum Thuring. rarius.

2150. *A. depluens Batsch.*, pileo subsessili tenui fragili reniformi rufescente-cano parcius tomentoso, lamellis distinctis divergentibus rufescentibus. — *Batsch mat. I. f.* 122. *Nees syst. f.* 179. *Fr. syst. I.* 275. *A. spigonus Pers. syn.* 484. *A. graminens Otto.*

Ad terram muscosam, autumno, rarius.

2151. *A. variabilis Pers.*, pileo membranaceo sericeo-tomentoso albo, nunc resupinato sessili, nunc stipite incurvo curto suffulto reflexo, lamellis albido-rubiginosis. — *Pers. syn.* 483. *Fr. l. l. A. pubescens Flor. dan. t.* 1073. *f.* 2. *A. sessilis Bull. t.* 152. *f.* 581. *Flor. dan. t.* 1556. *Peziza lamellata Pall. pr. pr.*

Ad cortices putres passim. Autumno.

2152. *A. hunstellaris Fr.*, pileo reniformi villoso ochraceo-pallido, lamellis rotundatis ferrugineis, stipite

lato obtuso, humido striato, sicco laevi ochraceo, lamellis linearibus adnatis, stipite longo stricto glabro. — *Schaeff. t. 70. Sowerb. t. 33. Pers. syn. 386. Fr. syst. I. 265. Amananita tenera Alb. et Schw. nisk. 194. (cum var. β. vaporaria, a Friesio ad Ag. apalum laudata.) A. foraminulosus Bull. t. 535. f. 1. t. 403. f. b. c.*

β. pilosellus, pileo stipiteque pilosulis. *Pers. syn. 387.*

Var. *α.* in promontoriis graminosis; *β.* ad truncos putres Hercyn. rarissime.

3167. *A. undulatus Jungh.*, pileo campanulato-convexo umbonato laevi nitido membranaceo, lamellis adnatis, basi acutis brunneis, stipite aequali solido tenaci. — *Jungh. l. l. t. 6. f. 14.*

In promontoriis calcareis Hercyn. infer. *(Junghuhn.)*

3168. *A. lateritius Schum.*, pileo submembranaceo laevi ferrugineo sensim pullescente, lamellis subliberis dilute cinnamomeis, stipite longo glabro albido. — *Schum. saell. II. 359. Fr. syst. I. 255.*

In fimo congesto Hercyn. super. rarius.

D. naucorii, pileis carnoso-membranaceis umbonatis, squamulis s. fibrillis adpressis, raro secedentibus tectis, lamellis cinnamomeis, velo cum ascomatis integumento externo conformi fugacissimo, stipite subfistuloso tenui squamuloso intus flocculoso. (*Agaricorum trib. 27. Naucoria Fr.*) Fungi minores, gregarii, fragiles, epiphyti, persistentes.

3169. *A. inquilinus Fr.*, pileo subcarnoso laevi umbonato subtestaceo, siccando pallidiore, lamellis latescentibus ferrugineis, stipite tenui brevi tenaci spadiceo. — *Fr. syst. I. 264. A. squarrosus Bull. t. 538. (var. stipite squamuloso.)*

Ad ligna putrida pone terram Thuring.

3170. *A. pygmaeus Bull.*, pileo subcarnoso, primum convexo, dein deplanato glabro rufo, margine versus striato, lamellis liberis striatis ventricosis ferrugineis,

Var. α. ad terram, β. ad truncos Thuring. passim. (Compages Boleti; lamellae plicaeformes saepius Daedaleae quercinae.)

3157. *A. subreflexus Otto*, pileo carnoso subinvoluto candido, lamellis subumbrinis, stipite solido tenui flavescente. — *Otto agar.* 77. *Fr. syst. I.* 271.
Ad terram Saxoniae. (*Otto.*)

3158. *A. Tricholoma A. et Schw.*, pileo subcarnoso albido, pilis a vertice inde adpressis, ad marginem prorsis strigosis obtecto, lamellis confertis decurrentibus ex argillaceo-fuscescentibus, stipite tenui farcto squamoso. — *Alb. et Schw. nisk.* 188. *Fr. syst. I.* 270.
Ad promontoria declivia Lusatiae. (*Alb. et Schw.*)

3159. *A. hirneolus Fr.*, pileo subcarnoso glabro glauco-umbilicato nitente tenaci e cinereo albente, lamellis cinerascentibus, stipite tenui basi albo-villoso. — *Fr. syst. I.* 269. *A. ericetorum Schum. A. nigrellus Pers. syn.* 463. (*seu forma minor ac junior.*)
β. undulatus, pileo inaequali undulato, lamellis stipiteque cavo gryseis. — *Bull. t.* 535. *f.* 2. *Pers. syn.* 371.
Ad terram glareosam muscosam Hercyn. infer.

3160. *A. fragilis Batsch*, ascomate tenero fragili subumbo, pileo leviter carnoso glabro convexo, dein umbilicato (sicco) ochraceo, margine dilutiore, lamellis carneo-rubellis dein luridis, stipite solido brevi subfibroso. — *Batsch cont.* 1. *f.* 215. *Pers. syn.* 455.
Ad terram pinetorum Thuring. passim.

C. galericulati, pileis conicis, dein campaniformibus membranaceis, humidis subtristis, siccis laevibus expallentibus nudis, lamellis adnexis s. adnatis ferrugineis. (Agaricorum trib. 28. Fr. Mycenae sp. Pers.)

3161. *A. pityrius Fr.*, pileo conico-subcampaniformi viscoso striato lurido, lamellis adnexis confertis argenteo-cinnamomeis, stipite argenteo, apice albo-pulverulento. — *Fr. syst. I.* 268.
In nemoribus humidis Hercyn. infer. passim.

stipite solido longo fibrilloso. — *Pers. syn.* 347. nec *Alb. et Schw.*

In pinetis montosis Hercyn. superiör. passim. (*Fricsio* teste rix ab A. calamistrato s. lacero diversus.)

3176. *A. petiginosus Fr.*, pileo convexo subcarnoso rufo-fuscescente cano-sericeo, lamellis liberis ciliatis pallidis, dein spadiceis flavis, stipite farcto rufo pulverulento. — *Fr. syst. I.* 259. *A. rufipes Pers. icon. t. 1. f. 5.*

In promontoriis sylvaticis passim.

3177. *A. scabellus A. et Schw.*, pileo subcarnoso planiusculo umbonato albido rufo-piloso tenerrimo, lamellis liberis albidis, stipite farcto rufo furfuraceo. — *Alb. et Schw. nisk.* 189. *Fr. syst. I.* 259.

In versuris graminosis Lusatiae (*Alb. et Schw.*)

3178. *A. brunneo-villosus Jungh.*, pileo carcarnoso, dein depresso floccoso-fibrilloso cervino-brunneo, lamellis adnatis saturatioribus, stipite floccoso-fibrilloso fistuloso deorsum attenuato. — *Jungh. l. l. t. 6. f. 5.*

In saltu hercynico passim, gregarius.

3179. *A. albo-crenatus Jungh.*, pileo tenui carnosulo convexo subcampanulato umbonato brunneo squamoso-fibrilloso, margine deflexo, lamellis liberis subrotundis basi emarginatis, stipite aequali solido albo glabro sursum pruinoso. — *Jungh. l. l. p. 402. t. 6. f. 4.*

In saltu hercyn. passim.

3180. *A. geophyllus Pers.*, pileo subcarnoso conico, dein expanso umbonato sericeo, lamellis adnexis argillaceo-fuscescentibus latiusculis, stipite tenui farcto albo-pulverulento. *Fr. syst. I.* 258.

α. albus, pileo albente. — *A. albus Schum. A. argillaceus Pers. syn.* 372. *A. inodorus Bull. t.* 524.

β. lilacinus, pileo lilacino. — *A. geophilus Pers. syn.* 340. *Fr. syst. I.* 258. *A. affinis Pers. icon. t. 1. f. 1. A. illopodius Bull. t.* 578. *A. candidus Batsch cont. 1. f. 106.*

γ. lutescens, pileo lutescente. — *A. geophilus Bull. t.* 522. *f. 2. A. auricomus Batsch elench. f. 21.*

In nemoribus caeduis frequens simulac versipellis.

lato obtuso, humido striato, sicco laevi ochraceo, lamellis linearibus adnatis, stipite longo stricto glabro. — *Schaeff. t. 70. Sowerb. t. 33. Pers. syn. 386. Fr. syst. I. 265. Amananita tenera Alb. et Schw. nisk. 194. (cum var. β. vaporaria, a Friesio ad Ag. apalum laudata.) A. foraminulosus Bull. t. 535. f. 1. t. 403. f. b. c.*

β. pilosellus, pileo stipiteque pilosulis. *Pers. syn. 387.*

Var. *a.* in promontoriis graminosis; *β.* ad truncos putres Hercyn. rarissime.

3167. *A. undulatus Jungh.*, pileo campanulato-convexo umbonato laevi nitido membranaceo, lamellis adnatis, basi acutis brunneis, stipite aequali solido tenaci. — *Jungh. l. l. t. 6. f. 14.*

In promontoriis calcareis Hercyn. infer. (*Junghuhn.*)

3168. *A. lateritius Schum.*, pileo submembranaceo laevi ferrugineo sensim pallescente, lamellis subliberis dilute cinnamomeis, stipite longo glabro albido. — *Schum. saell. II. 359. Fr. syst. I. 255.*

In fimo congesto Hercyn. super. rarius.

D. naucorii, pileis carnoso-membranaceis umbonatis, squamulis s. fibrillis adpressis, raro secedentibus tectis, lamellis cinnamomeis, velo cum ascomatis integumento externo conformi fugacissimo, stipite subfistuloso tenui squamuloso intus flocculoso. (*Agaricorum trib. 27. Naucoria Fr.*) Fungi minores, gregarii, fragiles, epiphyti, persistentes.

3169. *A. inquilinus Fr.*, pileo subcarnoso laevi umbonato subtestaceo, siccando pallidiore, lamellis latescentibus ferrugineis, stipite tenui brevi tenaci spadiceo. — *Fr. syst. I. 264. A. squarrosus Bull. t. 538. (var. stipite squamuloso.)*

Ad ligna putrida pone terram Thuring.

3170. *A. pygmaeus Bull.*, pileo subcarnoso, primum convexo, dein deplanato glabro rufo, marginem versus striato, lamellis liberis striatis ventricosis ferrugineis,

3187. *A. lanuginosus Bull.*, pileo subcarnoso umbonato convexo brunneo, tomento lanato-squamoso concolore sensim magis tenuato tecto, lamellis liberis badiis, stipite farcto brunneo fibrilloso striato. — *Bull. t. 370. Fr. syst. I. 257. A. phaeocomes Pers. myc. A. cervicolor Pers. syn. 325. A. flocculentus Poll.*

In nemoribus umbrosis Thuring. passim.

3188. *A. cincinnatus Fr.*, pileo subcarnoso planoconvexo villoso-squamoso fusco, lamellis adnatis stipiteque solido squamoso rigidulo fusco-violaceis. — *Fr. syst. I. 256. A. cristatus Scop.*

In nemoribus editioribus Hercyn. inferior.

3189. *A. scaber Müll.*, pileo carnoso obtuso squamoso fuligineo-pallescente, lamellis subliberis saturatioribus, stipite solido fibrilloso. — *Müll. flor. dan. t. 832. f. 3. Sowerb. t. 207. Fr. syst. I. 255.*

In pinetis Hercyn. superior. rarius.

3190. *A. pyriodorus Pers.*, pileo carnoso umbonato fibrilloso-subquamoso fuligineo, lamellis adnexis dilute-fuscescentibus, stipite cavo fibroso. — *Pers. syn. 300. Alb. et Schw. nisk. 162. Fr. syst. I. 255. A. furfuraceus Bull. t. 532. f. 1.*

In pinetis arenosis Hercyn. auctumno.

3191. *A. morosus Jungh.*, pileo carnoso campanulato-convexiusculo umbonato innato-fibrilloso cinereo-lutescente subbrunneo, margine contracto, lamellis albis dein nebulosis subbrunneis, stipite albo laevi solido nitente subbulboso. — *Jungh. l. l. p. 402. t. 6. f. 6.*

In nemoribus Hercyn. *(Jungh.)*

3192. *A. repandus Bull.*, pileo carnosulo laevi lutescente, margine infracto flexuoso longitudinaliter rimoso, lamellis pallidis liberis, stipite longo solido striato, apicem versus fibroso-squamoso. — *Bull. t. 423. f. 2. Pers. syn. 319. Fr. syst. I. 255.*

In campis arenosis Hercyn. superior. passim.

stipite solido longo fibrilloso. — *Pers. syn.* 347. nec *Alb. et Schw.*

In pinetis montosis Hercyn. superior. passim. (*Fricio tenue vix ab A. calamistrato s. lacero diversus.*)

3176. *A. petiginosus Fr.*, pileo convexo subcarnoso rufo-fuscescente cano-sericeo, lamellis liberis cilliatis pallidis, dein spadiceis flavis, stipite farcto rufo pulverulento. — *Fr. syst. I.* 259. *A. rufipes Pers. icon. t. 1. f. 5.*

In promontoriis sylvaticis passim.

3177. *A. scabellus A. et Schw.*, pileo subcarnoso glabrescente umbonato albido rufo-piloso tenerrimo, lamellis liberis albidis, stipite farcto rufo furfuraceo. — *Alb. et Schw. misk.* 189. *Fr. syst. I.* 259.

In vernetis graminosis Lusatiae (*Alb. et Schw.*)

3178. *A. brunneo-villosus Jungh.*, pileo carnoso, dein depresso floccoso-fibrilloso cervino-brunneo, lamellis adnatis saturatioribus, stipite floccoso-fibrilloso hatuloso deorsum attenuato. — *Jungh. i. l. t. 6. f. 5.*

In saltu hercynico passim, gregarius.

3179. *A. albo-crenatus Jungh.*, pileo tenui carnoso-membranaceo subcampanulato umbonato brunneo squamoso-fibrilloso, margine deflexo, lamellis liberis subrotundis basi emarginatis, stipite aequali solido albo glabro sursum pruinoso. — *Jungh. i. l. p. 402. t. 6. f. 4.*

In saltu hercyn. passim.

3180. *A. geophyllus Pers.*, pileo subcarnoso convexo, dein expanso umbonato sericeo, lamellis adnexis argillaceo-fuscescentibus latiusculis, stipite tenui farcto albo-pulverulento. *Fr. syst. I.* 258.

α. *albus*, pileo albente. — *A. albus Schum. A. argillaceus Pers. syn.* 372. *A. inodorus Bull. t.* 524.

β. *lilacinus*, pileo lilacino. — *A. geophilus Pers. syn.* 349. *Fr. syst. I.* 258. *A. affinis Pers. icon. t. 1. f. 1. A. lilopodius Bull. t. 578. A. candidus Batsch cont. I. f. 106.*

γ. *lutescens*, pileo lutescente. — *A. geophilus Bull. t. 522. f. 2. A. auriconus Batsch elench. f. 31.*

In nemoribus caeduis frequens simulac vernipellis.

3198. *A. thelephorus Pers.*, pileo convexo viscoso-papillato crustallino carnoso dein magis deplanato, lamellis aquoso-cinnamomeis confertis planis, stipite solido subferrugineo utrinque pallido. — *Pers. syn.* 307. *Fr. syst. I.* 252.

In pinetis Hercyn. superior. rarius.

3199. *A. carbonariorum Fr.*, pileo umbonato laevi viscoso fulvo, lamellis adnatis argillaceo-fuscescentibus, stipite rigido squamoso. — *Fr. syst. I.* 252.

In areis carbonariorum relictis Hercyn.

3200. *A. spumosus Fr.*, ascomatibus gregariis intus flavo-virentibus pileo subumbonato laevi viscoso flavido, lamellis adnatis e flavo-ferrugineis, stipite cavo in basin tenuato. — *Fr. syst. I.* 252. *Amanita silacea var. ebulbis Alb. et Schw. nisk.* 205.

Ad truncos in pinetis passim.

††† *sicci, pileo sicco.* (*Cum Pholiotis analogi.*)

3201. *A. astragalinus Fr.*, pileo laevi, sicco aureo-incarnato obtuso, lamellis adfixis pallidis demum ferrugineis, stipite flexuoso squamoso-fibrilloso. — *Fr. syst. I.* 251. *A. astragalinus β. Alb. et Schw. nisk.* 160.

Ad truncos Hercyn. superior. passim.

3202. *A. flavidus Schaeff.*, ascomatibus caespitosis, pileo obtuso laevi flavido, lamellis adnatis e luteo ferrugineis, stipite dein cavo elato fibrilloso, basi ferrugineo. — *Schaeff. t.* 35. *Pers. syn.* 295. *Fr. syst. t.* 250. *A. lignatilis Bull. t.* 554. *f.* 1.

Ad truncos arborum muscosos frequens.

†††† *olidi, pileo glabro olido.* (*A. tribus* 24. *Hebeloma Fr.*)

3203. *A. fastibilis Pers.*, pileo obtuso obeso, humido viscidulo lateritio-rufo opaco flexuoso-repando, lamellis aquoso-cinnamomeis, sporidiis ferrugineo-argillaceis, stipite squamuloso crasso albido-fibrilloso. — *Pers. syn.* 326. *Fr. syst. I.* 249. *A. obesus Schum. A. circi-*

nans Pers. obs. A. ceraceus, lateritius, subtestaceus, clavus Batsch t. 195. t. 198. t. 199. A. crustuliniformis Bull. t. 308. t. 516. A. gilvus Schaeff. t. 221.

α. crustalinus, pileo convexo sordide dilutoque rudiceo, stipite subbulboso crasso albo-villoso. *Pers. l. l.*

β. circinans, ascom. gregariis, pileo pallidius fusco, lamellis dilutioribus guttas stillantibus, dein maculatis. *Pers. l. l.*

γ. involvatus, ascom. pallidis primum tomento volvaeformi involutis, stipite dein polyrrhizo. *Pers. l. l.*

δ. versicolor, pileo alutaceo, lamellis dein subincarnatis. *Pers. l. l.*

ε. parvulus, pileo plano ochraceo viscoso, lamellis subterreis. *Pers. l. l.*

In sylvis abietinis et fagineis Hercyn. utriusque.

3204. *A. punctatus Schaeff.*, pileo carnoso convexo dein deplanato punctato luteo-fuscescente, lamellis confertis subcinnamomeis, stipite striato in basin incrusato. — *Schaeff. t. 40.*

In nemoribus caeduis Bavar. et Thuring.

H. myxacii, pileis mucido-carnosis glabris viscosis, lamellis subdecurrentibus, dein obscure ferrugineis, vel viscoso fugaci, stipite farcto valido, primum velato-subviscoso, albo, deinceps protruso in squamas adpressas floccoso-gelatinosas rupto. (*Agaricorum tribus 23. Myxacium Fr.*) Fungi solitarii terrestres mucosi, inodori.

3205. *A. longicaudus Pers.*, pileo convexo obtuso subcarnoso laevi subviscoso alutaceo, lamellis confertis planis argillaceis opacis subliberis, stipite longissimo albicante. — *Pers. syn. 332. Fr. syst. I. 248.*

In ericetis sylvaticis Hercyn. passim.

3206. *A. elatus Batsch*, pileo campanulato subcarnoso plicato-rugoso sordide-ochraceo viscoso, lamellis remotis brunneo-ferrugineis, stipite albo squamuloso longissimo. — *Batsch cont. II. f. 188. Pers. syn. 332.*

In pinetis Hercyn. superior. passim.

3207. *A. collinitus Sow.*, pileo obtuse-umbonato

carnoso laevi aurantio-fulvo viscoso crustallino, lamellis purpurascentibus, dein ferrugineis, stipite transversim in squamas coerulescentes gelatinosas dispanso. — *Sowerb.* t. 9. *Pers. syn.* 281. *Alb. et Schw. nisk.* 154. *Fr. syst. I.* 248. *A. mucosus Bull.* t. 596. *f.* 1.

? *β. mucosus*, ascomatibus robustioribus, lamellis albidis dein ferrugineis, stipite albo subsericeo. *Bull.* t. 542. *f. D—F.*

In nemoribus montosis Hercyn. inferior.

I. pholiphori, pileis convexis (non umbilicatis), lamellis exsuccis decoloribus, sporidiis ferrugineis s. fulvo-ferrugineis, velo sicco annuliformi coque sive membranaceo, sive floccoso-radiato, stipite subsquamoso, utrinque aequali. — (Agaricorum tribus 22. Pholiota Fr. A. Lepiotae et Gymnopodis sp. Pers.)

3208. *A. mutabilis Schaeff. emend.*, pileo planiusculo tenuiter-carnoso glabro cinnamomeo, lamellis confertis subdecurrentibus pallide-ferrugineis, stipite fistuloso tenui, annulo distincto nonnisi fugaci. *Fr. syst. I.* 245.

α. caudicinus, ascomatibus caespitosis, stipite squamoso. — *Pers. syn.* 271. *A. ochrolcucus Vahl. A. polymorphus Baumg. lips. A. truncigenus Schrk. A. annularius Bull.* t. 543. *A. xylophilus Bull.* t. 530. *A. mutabilis Schaeff.* t. 9.

β. denudatus, ascomatibus subcaespitosis ochraceo-ferrugineis, stipite fibrilloso laevi. *A. mutabilis et marginatus Batsch cont. II. f.* 207. *et f.* 208. *A. acutus Schum.*

Ad truncos vulgaris, rarius etiam ad terram.

3209. *A. muricatus Fr.*, pileo campanulato convexo leviter carnoso obtuso fulvo-luteo ex squamulis stipatis villoso, lamellis adnatis latescentibus serrulatis flaventibus, stipite fistuloso. — *Agaricus muricatus Fr. syst. I.* 244.

α. legitimus, pileo stipiteque squarrosis, annulo distincto. *Fr. l. l. A. scariosus With.*

β. desciscens, stipite fibrilloso velato. *A. luteus Bolt.* t. 50. *A. flammula Alb. et Schw. nisk.* 149.

γ. *cortinatus*, pileo stipiteque cortinato villosis. *Fr. l. l. A. limulatus Fr. obs. I.* 12.

Ad arborum, abietum praeprimis truncos.

3210. *A. tuberculosus Schaeff.*, pileo carnoso obtuso adpresso-breviterque squamoso, lamellis latescentibus emarginatis flaventibus, stipite subbulboso cavo incurvo, annulo submembranaceo reflexo, rarius cortiniformi. — *Schaeff. t.* 79. *f.* 5—7. *Fr. syst. I.* 244. *A. curvipes Pers. syn.* 312.

Ad truncos arborum passim.

3211. *A. flammans Batsch*, pileo carnoso subumbonato, squamulis pilosis sparsis adsperso luteo, lamellis confertis primum flavis, dein ferrugineis, stipite aequali squarroso flavissimo, annulo integro approximato. — *Batsch elench. f.* 30. *A. rheoides With. A. rhabarbarinus Pers. syn.* 271.

Ad truncos putres abietinos Hercyn. passim.

3212. *A. floccosus Schaeff.*, pileo obtuse-umbonato carnoso, sicco croceo-ferrugineo, squamis confertis minutis adpressis dein revolutis tecto, lamellis confertis olivaceo-pallentibus, dein ferrugineis, stipite squarroso in basin tenuato. — *Agaricus squarrosus Willd. herb.* 380. ?*Flor. dan. t.* 491. *Pers. syn.* 268. *A. squamosus Bull. t.* 266. *A. floccosus Schaeff. t.* 61. *Grev. scot. t.* 2.

β. *olidus*, pileo obtuso pallido, lamellis pallide fuscescentibus. — *A. scaber Flor. dan. t.* 831. *f.* 3.

γ. *reflexus*, pileo elevato-umbonato piloso-squamoso ochraceo, stipite elato. — *Fr. l. l. A. pilosus Schaeff. t.* 80. *A. reflexus Pers. syn.* 311.

Ad arborum truncos minime raro.

3213. *A. auricellus Batsch*, pileo hemisphaerico, dein explanato luteo, squamis sparsis adpressis obsito, lamellis adfixis latissimis planis rotundatis, primum pallido-olivaceis, dein ferrugineis, stipite solido compacto in basin bulbosam rhizoden incrassato. — *Batsch cont.* 1. *f.* 115. *Fr. syst. I.* 242. *A. villosus Bolt. t.* 92. *A.*

nans Pers. obs. A. ceraceus, lateritius, subtestaceus, clavus Batsch t. 195. t. 198. t. 199. A. crustuliniformis Bull. t. 308. t. 546. A. gilvus Schaeff. t. 221.

α. crustalinus, pileo convexo sordide dilutequo spadiceo, stipite subbulboso crasso albo-villoso. *Pers. l. l.*

β. circinans, ascom. gregariis, pileo pallidius fusco, lamellis dilutioribus guttas stillantibus, dein maculatis. *Pers. l. l.*

γ. involvatus, ascom. pallidis primum tomento volvaeformi involutis, stipite dein polyrrhizo. *Pers. l. l.*

δ. versicolor, pileo alutaceo, lamellis dein subincarnatis. *Pers. l. l.*

ε. parvulus, pileo plano ochraceo viscoso, lamellis subterreis. *Pers. l. l.*

In sylvis abietinis et fagineis Hercyn. utrinsque.

3204. *A. punctatus Schaeff.*, pileo carnoso convexo dein deplanato punctato luteo-fuscescente, lamellis confertis subcinnamomeis, stipite striato in basin incrassato. — *Schaeff. t. 40.*

In nemoribus caeduis Bavar. et Thuring.

carnoso laevi aurantio-fulvo viscoso crustallino, lamellis purpurascentibus, dein ferrugineis, stipite transversim in squamas coerulescentes gelatinosas dispanso. — *Sowerb.* t. 9. *Pers. syn.* 281. *Alb. et Schw. nisk.* 154. *Fr. syst.* I. 248. *A. mucosus Bull.* t. 596. *f.* 1.

? *β. mucosus*, ascomatibus robustioribus, lamellis albidis dein ferrugineis, stipite albo subsericeo. *Bull.* t. 549. *f.* D—F.

In nemoribus montosis Hercyn. inferior.

I. pholiphori, pileis convexis (non umbilicatis), lamellis exsuccis decoloribus, sporidiis ferrugineis s. fulvo-ferrugineis, velo sicco annuliformi eoque sive membranaceo, sive floccoso-radiato, stipite subsquamoso, utrinque aequali. — (*Agaricorum tribus* 22. *Pholiota Fr. A. Lepiotae et Gymnopodis sp. Pers.*)

2208. *A. mutabilis Schaeff. emend.*, pileo plusiusculo tenuiter-carnoso glabro cinnamomeo, lamellis confertis subdecurrentibus pallide-ferrugineis, stipite fistuloso tenui, annulo distincto annulsi fugaci. *Fr. syst.* I. 245.

α. caudicinus, ascomatibus caespitosis, stipite squamoso. — *Pers. syn.* 271. *A. ochroleucus Vahl. A. polymorphus Baumg. lips. A. truncigenus Schrk. A. annularius Bull.* t. 543. *A. xylophilus Bull.* t. 520. *A. mutabilis Schaeff.* t. 9.

β. denudatus, ascomatibus subcaespitosis ochraceo-ferrugineis, stipite fibrilloso laevi. *A. mutabilis et marginatus Batsch cont. II. f.* 207. *et f.* 208. *A. acutus Schum.*

Ad truncos vulgaris, rarius etiam ad terram.

2209. *A. muricatus Fr.*, pileo campanulato convexo leviter carnoso obtuso fulvo-luteo ex squamulis stipatis villoso, lamellis adnatis latescentibus serrulatis flaventibus, stipite fistuloso. — *Agaricus muricatus Fr. syst.* I. 244.

α. legitimus, pileo stipiteque squarrosis, annulo distincto. *Fr. l. l. A. scariosus With.*

β. desciscens, stipite fibrilloso velato. *A. luteus Bull.* t. 56. *A. flammula Alb. et Schw. nisk.* 149.

γ. *cortinatus*, pileo stipiteque cortinato villoso. *Fr. l. l. A. limulatus Fr. obs. I.* 12.

Ad arborum, abietum praeprimis truncos.

3210. *A. tuberculosus Schaeff.*, pileo carnoso obtuso adpresso-breviterque squamoso, lamellis latescentibus emarginatis flaventibus, stipite subbulboso cavo incurvo, annulo submembranaceo reflexo, rarius cortiniformi. — *Schaeff. t.* 79. *f.* 5—7. *Fr. syst. I.* 244. *A. curvipes Pers. syn.* 312.

Ad truncos arborum passim.

3211. *A. flammans Batsch*, pileo carnoso subumbonato, squamulis pilosis sparsis adsperso luteo, lamellis confertis primum flavis, dein ferrugineis, stipite aequali squarroso flavissimo, annulo integro approximato. — *Batsch elench. f.* 30. *A. rheoides With. A. rhabarbarinus Pers. syn.* 271.

Ad truncos putres abietinos Hercyn. passim.

3212. *A. flaccosus Schaeff.* pileo obtuso [illegible]

-rugineis, stipite aequali farcto glabro, annulo patulo striatulo parvo. — *Mattuschk. sil. II.* 331. *Pers. syn.* 517. *Bull. t.* 92. *Sowerb. t.* 77. *Pers. syn.* 269. *Fr. syst. I.* 241.

In terra pingui fagetorum Hercyn. inferior.

3219. *A. tomentosus Jungh.*, pileo carnoso convexo brunneo fibrilloso-tomentoso, lamellis dilutius fasciis margine albentibus, stipite aequali solido firmo striato-fibrilloso, supra velum pruinoso. — *Jungh. l. l. p.* 402.

In nemoribus Hercyn. inferior. passim.

IV. ochrospori, *sporidiis ochraceis, lamellis decoloribus arescentibus, velo aranceso.*

(*Agaricorum series III. Cortinaria Fr.*)

A. Telamones, *pileis carnosis marginem versus tenuatis, campanulatis, dein magis expansis, squamulosis s. fibrillosis, lamellis adnatis latescentibus decoloribus, sporidia uberrima spargentibus, velo e fibrillis araneosis in annulum obsoletum quidem at satis persistentem contexto, stipite solido fibrilloso.* — (*Agaricorum tribus 18. Telamonia Fr. A. Lepiotae et Cortinariae sp. Pers.*)

3220. *A. bulbosus Sow.*, pileo obtuse umbonato glabriusculo fragili spadiceo, siccando testaceo, lamellis cinnamomeis distinctis rotundatis, stipite longo bulboso veloque albido. — *Sowerb. t.* 230. *Pers. syn.* 295. *Fr. syst. I.* 214.

In promontoriis graminosis Thuring.

3221. *A. sublanatus Sow.*, pileo obtuse-lateque umbonato squamuloso testaceo-olivaceo, lamellis e luteo-cinnamomeis, stipite bulboso squamuloso pallido-lutescente, velo fusco. — *Sowerb. t.* 224. *Fr. syst. I.* 214.

β. notatus, ascomatibus subgregariis, pileo inaequa-squamuloso, stipite lutescente nitido, linea obscura ambiente saepius notato. *Pers. syn.* 296.

In pinetis et fagetis. (Odor fere Raphani.)

3222. *A. haematochelis Bull.*, pileo campanulato squamuloso testaceo-rubro, lamellis pallide-cinnamomeis, dein ferrugineis, stipite elato albido-rufescente bul-

rugineis, stipite aequali farcto glabro, annulo patulo striatulo parvo. — *Mattuschk. sil. II.* 331. *Pers. syn.* 517. *Bull. t.* 92. *Sowerb. t.* 77. *Pers. syn.* 269. *Fr. syst. I.* 241.
In terra pingui fagetorum Hercyn. inferior.

3219. *A. tomentosus Jungh.*, pileo carnoso convexo brunneo fibrilloso-tomentoso, lamellis dilutius fascia margine albentibus, stipite aequali solido firmo strigoso-fibrilloso, supra velum pruinoso. — *Jungh. l. l. p.* 403.
In nemoribus Hercyn. inferior. passim.

IV. ochrospori, *sporidiis ochraceis*, *lamellis decoloribus arescentibus*, *velo araneoso*.
(*Agaricorum series III. Cortinaria Fr.*)

A. Telamones, *pileis carnosis marginem versus tenuatis*, *campanulatis*, *dein magis expansis*, *squamulosis s. fibrillosis*, *lamellis adnatis latescentibus decoloribus*, *sporidia uberrima spargentibus*, *velo e fibrillis araneosis in annulum obsoletum quidem at satis persistentem contexto*, *stipite solido fibrilloso*. — (*Agaricorum tribus*

[illegible], velo contexto rubro. — *Bull. t.* 596. *f.* 1. *A. ar-*[illegible]*ilatus Fr. syst. l.* 214. *A. Bulliardi β. squamulosa* [illegible]. *et Schw. nisk. l.* 157.

In pinetis udis Hercyn. passim.

3223. *A. sericeus Schaeff.*, pileo convexo ob-[illegible]ssimo fulvo s. testaceo, lamellis emarginatis subre-[illegible]tis fulvis subnitentibus, stipite brevi subbulboso, annulo [illegible]aci. — *Schaeff. t.* 24. *A. bivelus Fr. syst. l.* 215. *Amanita fulgens Alb. et Schw. nisk.* 161. *A. arancosus* [illegible]. *t.* 598.

β. fulgens, pileo aureo nitido, bulbo marginato. *A. fulgens Pers. syn.* 294.

In nemoribus caeduis frequens.

3224. *A. latus Pers.*, pileo leniter umbonato cru-[illegible], lamellis emarginatis confertis argillaceo-cinna-[illegible], stipite albo-pallescente albo cortinato elato. — *Pers. syn.* 276. *Fr. syst. l.* 215.

In paludosis saltus hercyn. (Persoon.)

3225. *A. gentilis Fr.*, pileo primum conico, dein umbonato subcarnoso subcinnamomeo pallente, lamellis [illegible] cinnamomeis, stipite tenui aequali stricto. — *Fr. syst. l.* 212. *A. helvolus Pers. syn.* 273. *nec Bull. A. [illegible]leus Sow. t.* 173.

β. glandicolor, pileo umbrino, lamellis minus distan-[illegible]. *Fr. l. l.*

γ. incisus, pileo squamuloso fulvo-ferrugineo, lamellis [illegible]ibus, stipite brevi. *Fr. l. l. A. incisus Pers. syn.* 310.

δ. punctatus, pileo obsolete umbonato canescente um-[illegible]. *Fr. l. l. A. punctatus Pers. syn.* 274.

ε. spurius, pileo stipiteque albido-pallidis. *Fr. l. l. A. spurius Pers. syn.* 288.

In pinetis Hercyn. utriusque vulgaris.

3226. *A. flexipes Pers.*, pileo acute-umbonato [illegible]-cinnamomeo subcarnoso fibrilloso-canescente, lamellis [illegible] e purpureo-cinnamomeis, stipite tenui fibrilloso

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2231. *A. rapineus Fr.*, pileo carnoso latescente convexo laevi (nonnisi diffracto-squamoso), lamellis adnexis albido-flaventibus, dein fulvo-cinnamomeis, stipite farcto, dein cavo striato pallescente. — *Fr. syst. I.* 239. *F. penetrans Fr. obs. I.* 25. *A. flavicans Pers. myc.*

β. hybridus, pileo convexo (humido) aurantio s. fulvo, lamellis lutels, stipite cavo. *Fr. Ll. A. hybridus Sowerb. t.* 231.

In iisdem cum priore locis, rarius.

2232. *A. incurvus Schaeff.*, pileo carnoso demum infundibuliformi flavo-ferrugineo, lamellis subdecurrentibus stipiteque farcto, dein striato inaequali incurvo pallidioribus. — *Schaeff. t.* 65. *A. testaceus With. A. fimidus Sowerb. t.* 386.

Ad arborum (Fagorum) truncos passim.

†† *viscosi, pileo carnosulo obtuso viscoso s. villoso, lamellis liberis ventricosis, velo fugacissimo, stipite aequali dein cavo.* (*Ag. Dermocybae lysiophylli Fr.*) — Plerumi epiphyti.

2233. *A. ephebeus Fr.*, pileo villoso purpureo-violaceo campanulato, dein magis expanso, lamellis rotundatis dein ochraceis, stipite farcto albo. — *Fr. syst. I.* 238. *A. villosus Bull. t.* 214.

Ad truncos fagetorum Thuring. rarius.

2234. *A. reticulatus Pers.*, pileo demum subumbilicato reticulato tenui subviscoso dilute violaceo, max. evanescente, lamellis rotundatis dilute cruentis, stipite subbulboso fistuloso fragili albo, apicem versus striato. — *Pers. icon. t.* 4. *f.* 4., *syn.* 341. *Fr. syst. I.* 238.

In fagetis editioribus Hercyn. inferior. passim.

2235. *A. cracco-coeruleus Pers.*, pileo carnoso plano-convexo subviscoso dilute-violaceo, lamellis crassis emarginatis, stipite glabro albo. — *Pers. icon. t.* 4. *f.* 2., *syn.* 341. *Fr. syst. I.* 238.

In similibus cum priore iisque umbrosis locis.

2236. *A. semiglobatus A. et Schw.*, pileo carnoso-membranaceo hemisphaerico subviscoso flavido, la-

mellis concoloribus latissimis, stipite tenui brevi gl
— *Alb.* et *Schw. nisk.* 169. *Fr. syst. I.* 237.
In pinetis siccis Lucaniae. (*Albertini* et *Schweinitz*

3237. *A. barbatus Batsch*, pileo plan
laevi stipiteque longo viscosis candidis, lamellis i
datis ochraceo-fulvis. — *Batsch elench.* 163. *f.* 1
syst. I. 237.
In nemoribus humentibus.

††† *leucopodes*, *pileo polito glabro pruinat*
superficiales (*a velo secedentes*), *stipite alb*
violaceo, *velo sericeo albo.* (*Ag. Dermocybae leu*

3238. *A. pluvius Fr.*, pileo tenuato
submembranaceo helvelo-viscidulo, lamellis adn
stipite albo molli. — *Fr. syst. I.* 236.
In pinetorum penetralibus roridis Hercyn.

3239. *A. rigens Pers.*, pileo subcarneo
plano glabro albo-pallescente fragili

fillis dein umbrinis ochrosporis, stipite solido striato albo in basin incrassato. — *Jungh. l. l.* 1830. *p.* 299.

In collibus nemorosis Hercyn. infer. (*Junghuhn.*)

2243. *A. carneo-violascens Jungh.*, pileo carneo convexo plano, demum depresso laevi incarnato-tenuiter sublivido, lamellis adnatis inaequalibus confertis incarnato-violaceis, stipite bulboso solido firmo albo-tomentoso. — *Jungh. l. l.*

In nemoribus Hercyn. inferior. (*Junghuhn.*)

2244. *A. decipiens Pers.*, pileo glabriusculo subcarnoso-membranaceo umbrino, umbone conico nigrescente, lamellis adnatis confertis cinnamomeis, stipite tenui pallido. — *Pers. syn.* 298. *Fr. syst. l.* 236. *eoque teste A. mammosus L. suec.*

In campis nemorosis minime rarus.

2245. *A. castaneus Bull.*, ascomatibus gregariis mediocriter magnis, pileo subcarnoso convexo dein umbonato castaneo, lamellis adnexis confertis e violaceo-castaneis, stipite brevi firmo fibrilloso albido. — *Bull. t.* 268. *t.* 527. *f.* 2. *Pers. syn.* 298. *Alb. et Schw. misc.* 161. *Fr. syst. l.* 235. *A. leucopaeus Holmsk.*

β. succinus, pileo depresso obtuso castaneo-fusco, lamellis adnatis aequae cinnamomeis, stipite gracilescente. — *Flor. dan. t.* 1010.

In nemoribus putridis passim.

2246. *A. tortuosus Fr.*, pileo subcarnoso, dein umbonato ferrugineo pallente, lamellis adnatis latescentibus fulvis, stipite subcavo torto argenteo — *Fr. syst. l.* 235.

In caespitosis Hercyn. superioris rarius.

2247. *A. lucidus Pers.*, pileo carnoso obtuse-umbonato niteute, lamellis latiusculis decurrentibus saturatioribus, stipite farcto subincurvo. — *Pers. syn.* 299. *Fr. syst. l.* 235. *A. lamprocephalus Bull. t.* 544. *f.* 3.

In pinetis German. austral. passim intercurrere dicitur.

2248. *A. armeniacus Schaeff.*, pileo subcarnoso, dein obtuse-umbonato fulvo-cinnamomeo pallente, lamellis

confertis cinnamomeis, stipite farcto sursum attenuato albo. — *Schaeff.* t. 81. *Pers. syn.* 298. *Alb. et Schwinitz.* 161. *Fr. syst. I.* 234.

β. badius, pileo badio s. ferrugineo. — *A. badius castaneus Schum. Bolt.* t. 10.

γ. dilutus, pileo duriusculo obtusiusculo pallido, lamellis latescendo decurrentibus. *A. dilutus Pers. syn.* 301.

In pinetis udis minime raro.

3249. *A. ochroleucus Schaeff.*, pileo carnoso obtusiusculo albo-pallescente (sub lente obsolete-squamuloso) lamellis subliberis argillaceo-ochraceis, stipite subbulboso tricoso firmo. — *Schaeff.* t. 54. *Pers. syn.* 295. *Fr. syst. I.* 238.

In nemoribus Thuring. passim.

†††† *squamulosi, pileo squamulis s. fibrillis lanatis adsperso, stipite cum pileo concolore s. dilutiore.* (*A. Dermocybae raphanoidei Fr.*)

* *pileo submembranaceo, primum subconico.*

3250. *A. obtusatus Fr.*, pileo submembranaceo

2254. *A. illopodius Bull.*, ascomatibus polymorphis fuscescentibus, pileo subcarnoso campanulato serrico s. cinereo-squamoso, dein convexo-s. deplanato umbonato, lamellis adnatis latescentibus ex rubro aurantiacis, stipite tenui aequali. — *Bull. t. 272. exsl. fig. L. t. 592. Fr. syst. I. 231, A. dulcamarus Pers. 324.*

In fagetis Thuring. et Hercyn. inferior. passim.

2255. *A. hemitrichus Pers.*, pileo subcarnoso, dein acute umbonato canescenti-tomentoso, lamellis adnatis argillaceis, stipite pallido. — *Pers. syn. 296. Fr. syst. I. 230.*

In nemoribus muscosis passim.

*** *pileo carnoso, primum convexo.*

2256. *A. raphanoides Pers.*, pileo primum convexo dein deplanato, humecto fuscescente, sicco olivaceo-lutescente serrico, lamellis adfixis laxis, stipite farcto deorsum incrassato. — *Pers. syn. 324. Alb. et Schw. adnot. 170. Fr. syst. I. 230.*

In fagetis passim.

2257. *A. sanguineus Wulff.*, pileo carnosulo rubo-squamuloso stipiteque tenui aequali obscure sanguineis, lamellis adfixis saturatioribus. — *Wulff. in Jacq. coll. II. t. 15. f. 3. Sowerb. t. 43. Pers. syn. 289. Fr. syst. I. 229. A. rubens Bolt. t. 36. A. santalinus Scop.*

In similibus cum praeced. locis passim.

2258. *A. cinnamomeus L.*, pileo leviter carnoso obtuse umbonato *serrico* subcinnamomeo, lamellis adfixis confertis nitidis latescentibus inaequalibus, stipite tenui aequali lutescente. *Fr. syst. I. 229.*

α. *semisanguineus*, firmior, lamellis nitidissimis sanguineo-rubentibus, pileo helvolo s. cinnamomeo. — *Fr. l. l. A. cinnamomeus L. Amanita sanguinea γ. media Alb. et Schw. 158.*

β. *rubicundus*, pileo firmiore lamellisque rubro-cinnamomeis. *Fr. l. l. A. cinnamomeus Bolt. t. 150. Sow. t. 395, Pers. syn. 297. A. betulinus Scop.*

sanguineo-maculato elato crasso bulboso, bulbo ovato cinnabarino. — *Pers. syn. obs. II.* 43., *syn.* 289. *Fr. syst. I.* 221. *A. araneosus v. cinnabarina Bull. t.* 431. *f.* 3.
In fagetis Hercyn. inferior. passim.

3263. *A. eumorphus Pers.*, pileo obtuso glabriusculo canescente-fuligineo, dein magis fulvo, lamellis confertis caesio-purpurascentibus, stipite tenui squamuloso in basin inflato. — *Pers. syn.* 342. *A. anomalus Fr. syst. I.* 220. *A. olivascens Batsch elench. f.* 185.
β. incurvus, pileo subumbonato lilacino, lamellis primum concoloribus, dein ochraceis, stipite caudato tomentoso deorsum incurvo. *Fr. l. l. Pers. icon. t.* 7. *f.* 5., *syn.* 342.
γ. tabularis, pileo latescente firmiore, demum deplanato, lamellis ocius jam caesiis, deinceps argillaceo-cinnamomeis, stipite pallido. *Fr. l. l. A. araneosus helvolus Bull. t.* 431. *f.* 5.
δ. diabolicus, pileo fibrilloso subrimoso fuscescente dein olivaceo, siccando subferrugineo, lamellis mox caesiis. *Fr. l. l. A. araneosus var. rimosa Bull. t.* 431. *f.* 4.
In nemoribus frondosis nostratibus, perquam versipellis.

3264. *A. psammocephalus Bull.*, pileo umbonato cervino, squamis pilosis fuligineis squarroso, lamellis confertis violaceis argillaceo-cinnamomeis, stipite squamoso transversim nigricante, apicem versus laevi. — *Bull. t.* 586. *f.* 1. *t.* 531. *f.* 2. *A. araneatus Pers. syn.* 293. *A. lepidomyces Alb. et Schw. nisk.* 155. *t.* 12. *f.* 1. *A. pholideus Fr. syst. I.* 219.
Ad truncum alneum in vallibus irriguis umbrosis Lusatiae inferior. (*Albertini et Schweiniz.*)

3265. *A. conopus Pers.*, pileo obtuse-umbonato piloso ex olivaceo subferrugineo, lamellis emarginatis confertis, stipite longo mediotenus velato indeque conoideo. *Pers. syn.* 285. *Fr. syst. I.* 219.
In nemoribus caeduis Hercyn. infer. (*Persoon.*)

3266. *A. malachius Fr.*, pileo subcarneo lilacino, *mox subtestaceo, villo* squamuloso canescente tecto, la-

mellis confertis purpurascentibus ocius jam cinnamomeis, stipite spongioso dilute-lilacino. — *Fr. syst. I.* 218.

In pinetis Hercyn. superior. rarius.

3267. *A. albo-violaceus Pers.*, pileo late-obtuseque umbonato sericeo-fibroso e viola sensim magis pallescente, lamellis primum dilute-violaceis serrulatis, dein argillaceis confertis, stipite elato obverse-clavato. *Pers. syn.* 286. *Fr. syst. I.* 218.

In nemoribus nostris passim.

3268. *A. argentatus Pers.*, pileo obtuse-umbonato sericeo-nitente lilacino argentato, lamellis confertis cinnamomeis, stipite concolore bulboso, cortina cinnamomea. — *Pers. syn.* 286. *Fr. syst. I.* 218.

In pinetis Hercyn. superioris.

3269. *A. amethystinus Schaeff.*, pileo fibrilloso lilacino-pallescente obtuse umbonato, lamellis distantibus dein ochraceis, stipite albo-violaceo, intus croceo. — *Schaeff. t.* 56. *A. traganus Fr. syst. I.* 217.

In nemoribus caeduis minime raro.

3270. *A. violaceo-cinereus Pers.*, pileo carnoso hemisphaerico umbrino-violaceo, squamulis punctiformibus cinerascentibus asperulo, lamellis remotis purpurascenti-umbrinis, stipite bulboso concolore. — *Pers. syn.* 279. *Alb. et Schw. nisk.* 152. *Fr. syst. I.* 217. *A. violaceus Schaeff. t.* 3. *A.*

In quercetis Thuring. rarius.

3271. *A. violaceus L.*, pileo obtuso, dein deplanato villoso-squamoso obscure violaceo, lamellis distantibus connexis, stipite subtomentoso concolore spongioso, intus violaceo-cinereo. — *Fr. syst. I.* 217. *Pers. syn.* 277. *A. hercynicus Pers. l. l.* 278. *A. arancosus violaceus Bull. t.* 250. *t.* 598. *f.* 2. *A.*

In nemoribus frondosis Hercyn., satis speciosus, in pinetis umbrosis minor passim redit.

†† *viscosi, pileo glabro, vivo viscoso obtuso, demum*

magis depresso, stipite coerulescente ocius jam firmo exalbescente. (Inolomata phlegmacioidea Fr.)

3272. *A. turbinatus Bull.*, pileo viscoso laevi flavo dein depresso fulvo, lamellis confertis integerrimis e flavo cinnamomeis, stipite bulboso albo. — *Bull. t. 110. Fr. syst. I. 225.*

β. repandus, pileo subrepando. *Pers. syn. 300.*

In nemoribus nostris passim.

3273. *A. varius Schaeff.*, pileo luteo subsquamoso firmo, humido viscoso, lamellis confertis serratis albido-caesiis, stipite attenuato albo. — *Schaeff. t. 42. Fr. syst. I. 225. A. truncatus Schaeff. t. 251. (varietas mera.) A. subgranulatus Batsch elench. f. 22. (mala.) A. turbinatus Sowerb. t. 102. A. glaucopodis var. β. Pers. syn. 282. A. multiformis Fr. obs. II. 63.*

In nemoribus nostris haud raro.

3274. *A. glaucopus Schaeff.*, pileo subolivaceo-fuligineo latescente compacto, primum viscoso, dein rivuloso inaequabili, lamellis coerulescenti-argillaceis, stipite crasso brevi bulboso coerulescente. — *Schaeff. t. 53. Sowerb. t. 223. Pers. syn. 282. Fr. syst. I. 224. A. aranosus Bull. t. 96.*

In campis arenosis et ericetis nostris passim.

3275. *A. rufo-olivaceus Pers.*, pileo plano viscoso subrufo, lamellis confertis olivaceis, stipite aequali, basi bulboso. — *Pers. syn. 285. Fr. syst. I. 223. Amanita rufo-olivacea Alb. et Schw. nisk. 156.*

In campis nemorosis passim.

3276. *A. callochrous Pers.*, pileo aequali laevi viscoso polychloro (pallido, argillaceo, luteo, lilacino s. purpurascente), lamellis confertis violaceo-purpureis dein cinnamomeis, stipite bulboso e violaceo-albido. — *Pers. syn. 282. Fr. syst. I. 224. A. decolorans Pers. l. l. 283. (lusus carne stipiteque albidis.) — A. porphyropus Alb. et Schw. nisk. 153. A. subpurpurascens Batsch cont. 1. f. 74. A. purpurascens Fr. obs. II. 68. A. badius Pers.*

magis depresso, stipite coerulescente acies jam firme exalbescente. (Isolomata phlegmacioidea Fr.)

3272. *A. turbinatus Bull.*, pileo viscoso laevi flavo dein depresso fulvo, lamellis confertis integerrimis e flavo cinnamomeis, stipite bulboso albo. — *Bull. t.* 110. *Fr. syst. I.* 225.

β. repandus, pileo subrepando. *Pers. syn.* 280.

In nemoribus nostris passim.

3273. *A. varius Schaeff.*, pileo lateo subsquamoso firmo, humido viscoso, lamellis confertis serratis albido-caesiis, stipite attenuato albo. — *Schaeff. t.* 42. *Fr. syst. I.* 225. *A. truncatus Schaeff. t.* 251. (*varietas mera.*) *A. subgranulatus Batsch elench. f.* 22. (*mala.*) *A. turbinatus Sowerb. t.* 102. *A. glaucopodis var. β. Pers. syn.* 282. *A. multiformis Fr. obs. II.* 63.

In nemoribus nostris haud raro.

3274. *A. glaucopus Schaeff.*, pileo subolivaceo-fuligineo latescente compacto, primum viscoso, dein rivuloso inaequabili, lamellis coerulescenti-argillaceis, stipite crasso brevi bulboso coerulescente. — *Schaeff. t.* 53. *Sowerb. t.* 223. *Pers. syn.* 282. *Fr. syst. I.* 224. *A. arenaceus Bull. t.* 96.

In campis arenosis et ericetis nostris passim.

3275. *A. rufo-olivaceus Pers.*, pileo plano viscoso subrufo, lamellis confertis olivaceis, stipite aequali, basi bulboso. — *Pers. syn.* 285. *Fr. syst. I.* 233. *Amanita rufo-olivacea Alb. et Schw. nisk.* 156.

In campis nemorosis passim.

3276. *A. callochrous Pers.*, pileo aequali laevi viscoso polychloro (pallido, argillaceo, luteo, lilacino s. purpurascente), lamellis confertis violaceo-purpureis dein cinnamomeis, stipite bulboso e violaceo-albido. — *Pers. syn.* 282. *Fr. syst. I.* 224. *A. decolorans Pers. l. l.* 283. (*laetus carne stipiteque albidis.*) — *A. porphyropus Alb. et Schw. nisk.* 153. *A. subpurpurascens Batsch cont. 1. f.* 74. *A. purpurascens Fr. Obs. II.* 68. *A. badius Pers.*

velo viscoso tenui fugacissimo, in fila arachnoidea saepius soluto. (Agaricorum tribus 20. Phlegmacium Fr.)

3281. *A. vibratilis Fr.*, pileo fulvo-luteo carnoso umbonato, lamellis tenuibus confertis ochraceis s. dilute cinnamomeis, stipite molli niveo elato flexuoso in basin incrassato. — *Fr. syst. I.* 217.

In nemoribus Thuring. superior. passim.

3282. *A. obtextus W.*, pileo convexo carnoso obeso, glutine oleoso nitente oblinito, glaberrimo fusco-lutescente, lamellis inaequalibus latis erosis pallide-cinnamomeis, velo araneoso ferrugineo diu obtextis, stipite dilutiore sericeo splendente, basi bulboso.

In fagetis Thuring. passim. Auctumno.

V. rhodospori, pileis variis, stipite centrali nec velo exstructis, lamellis decoloribus rhodosporis. (Agaricorum series II. Hyperrhodius Fr.)

A. umbilicati, pileis tenuibus membranaceis convexo-planiusculis striatis glabris s. obsolete squamulosis, dein umbilicatis, lamellis adnatis subdecurrentibus distantibus latescentibus, stipite flocculoso-farcto, dein fistuloso tenui aequali. — Agaricorum tribus 17. Eccilia Fr. A. Omphaliae Pers.)

3283. *A. nigrella Pers.*, ascomatibus subcaespitosis parvulis, pileo glabro umbilicato nigrescente nitidulo, lamellis incarnato-subcinereis, stipite brevi glauco. *Pers. syn.* 463. *nec Fr.*

In pratis montosis Hercyn. inferior. passim.

3284. *A. calophyllus Pers.*, pileo hemisphaerico substriato umbrino-fuligineo, lamellis decurrentibus rubro-purpurascentibus, stipite subviscoso. — *Pers. syn.* 461. *Fr. syst. I.* 210.

Ad truncos putridos German. mediae. (*Persoon.*)

3285. *A. politus Pers.*, pileo submembranaceo profunde-umbilicato margine striato stipiteque elato fragili fistuloso aequali lividis nitidis, lamellis decurrentibus

syn. 279. (*l. carne fracta stipiteque magis tenuato purpureo-violaceis.*)
In lucis nemorumque areis passim.

3277. *A. scaurus Fr.*, pileo aequali viscoso, dein depresso polychloro, lamellis confertis olivaceo-purpurascentibus, mox cinnamomeis, stipite tenuato elato in basi incrassato. — *Fr. syst. I.* 223.
α. *fuligineus*, pileo fulvo-fuligineo, sicco sordide ochraceo. *Fr. l. l. A. fulvo-fuligineus et subsimilis Pers. syn.* 284. *A. orichalceus Batsch cont. II. f.* 184. *A. defossus Batsch cont. I. f.* 73. *A. curvatus Schum.*
β. *olivaceus*, ascomatibus olivaceo-virentibus. *Fr. l. l. A. scaurus Fr. obs. II.* 75.
γ. *umbrinus*, pileo umbrino. *Fr. l. l. A. spadiceus Batsch el. f.* 16. *A. turbinatus β. inquinatus Pers. syn.* 284.
In campis aridis Hercyn. superior.

3278. *A. infractus Pers.*, pileo plano-convexiusculo inaequali subviscoso olivaceo-fuligineo s. subluride, disco saturatiore, lamellis confertis olivaceo-umbrinis, stipite solido bulboso. — *Pers. syn.* 283. *Alb. et Schw. nisk.* 155. *Fr. syst. I.* 223.
In fagetis umbrosis Hercyn. rarius.

3279. *A. subtortus Pers.*, pileo molli inaequali viscoso pallido convexo-planiusculo, lamellis latis olivaceo-cinereis, stipite subbulboso, demum cavo subtorto inaequali. — *Pers. syn.* 284. *Fr. syst. I.* 222.
In nemoribus Hercyn. inferior. passim.

3280. *A. varicolor Pers.*, pileo (dilutius saturatiusve) rufo-spadiceo, margine nitido subtomentoso violaceo, lamellis latescentibus confertis albido-fuligineo nitidulis, stipite crasso bulboso. — *Pers. syn.* 280. *Alb. et Schw. nisk.* 153.
In nemoribus nostris passim.

D. phlegmacii, *pileis carnosis succulento-convexis, mox deplanatis laevibus firmis, siccis nitidis, junioribus et humectatis viscosis, lamellis adnatis subdecurrentibus,*

velo viscoso tenui fugacissimo, in fila arachnoidea saepius soluto. (*Agaricorum tribus* 20. *Phlegmacium Fr.*)

3281. *A. vibratilis Fr.*, pileo fulvo-luteo carnoso umbonato, lamellis tenuibus confertis ochraceis s. dilute cinnamomeis, stipite molli niveo elato flexuoso in basin incrassato. — *Fr. syst. I.* 217.

In nemoribus Thuring. superior. passim.

3282. *A. obtextus W.*, pileo convexo carnoso obeso, glutine oleoso nitente obliuito, glaberrimo fusco-lutescente, lamellis inaequalibus latis erosis pallide-cinnamomeis, velo araneoso ferrugineo diu obtextis, stipite dilutiore sericeo splendente, basi bulboso.

In fagetis Thuring. passim. Auctumno.

V. rhodospori, pileis variis, stipite centrali nec velo exstructis, lamellis decoloribus rhodosporis. (*Agaricorum series II. Hyperrhodius Fr.*)

A. umbilicati, pileis tenuibus membranaceis convexo-planiusculis striatis glabris s. obsolete squamulosis, dein umbilicatis, lamellis adnatis subdecurrentibus distantibus latescentibus, stipite flocculoso-farcto, dein fistuloso tenui aequali. — Agaricorum tribus 17. *Eccilia Fr. A. Omphaliae Pers.*)

3283. *A. nigrella Pers.*, ascomatibus subcaespitosis parvulis, pileo glabro umbilicato nigrescente nitidulo, lamellis incarnato-subcinereis, stipite brevi glauco. *Pers. syn.* 463. *nec Fr.*

In pratis montosis Hercyn. inferior. passim.

3284. *A. calophyllus Pers.*, pileo hemisphaerico substriato umbrino-fuligineo, lamellis decurrentibus rubro-purpurascentibus, stipite subviscoso. — *Pers. syn.* 461. *Fr. syst. I.* 210.

Ad truncos putridos German. mediae. (*Persoon.*)

3285. *A. politus Pers.*, pileo submembranaceo profunde-umbilicato margine striato stipiteque elato fragili fistuloso aequali lividis nitidis, lamellis decurrentibus

latiusculis dein incarnatis, stipite tenui aequali, utplurimum cyaneo. (Agaricorum tribus 15. Leptonia Fr. A. Gymnopodis spec. Pers.)

2290. *A. serrulatus Pers.*, pileo convexo glabriusculo subsquamoso nigrescente dein fuliginyo, lamellis adnatis cassio-incarnatis margine nigrescentibus, stipite fistuloso glabro, praeter basin dilutiorem coeruleo-nigricantibus. — *Fr. syst. I.* 203. *A. serrula Pers. syn.* 463. *Alb. et Schw. misk.* 222. *A. coeruleus Schum. A. cyanipes Flor. dan. t.* 1071. *f.* 3.

In promontoriis patruis passim.

2291. *A. euchrous Pers.*, pileo convexo obtuso squamoso-fibrilloso violaceo, dein purpureo-fuligineo, lamellis adfixis violaceis, demum praeter marginem saturatiorem pallentibus, stipite farcto glabro violaceo crasso. — *Pers. syn.* 343. *Alb. et Schw. misk.* 174. *Fr. syst. I.* 203.

Ad arborum (Coryli rum et Alnorum) truncos.

2292. *A. chalybeus Pers.*, pileo campanulato obtuso, dein magis depresso squamoso cyaneo, lamellis adnatis cassio-albis demum purpurascentibus subserrulatis, stipite farcto glabro subfragili cyaneo. — *Pers. syn.* 343., *icon. t.* 4. *f.* 3. *Fr. syst. I.* 203. *A. nigricans Schum. A. columbarius Sowerb. t.* 161. *A. glaucus Bull. t.* 521. *f.* 1.

In campis graminosis Thuring. passim.

2293. *A. placidus Fr.*, pileo plano convexiusculo villoso-squamoso griseo, lamellis planis ventricosis adfixis, stipite farcto glabro violaceo, apicem versus subfarinaceo. — *Fr. syst. I.* 204. *A. virgatus Pers. icon. t.* 6. *f.* 5. *nec syn. A. elegans Sow.*

Ad arborum (Fagorum) truncos passim.

2294. *A. salicinus Pers.*, pileo convexo subumbonato cassio-cinereo, vertice ruguloso, lamellis liberis, stipite farcto tenui fibrilloso albido-coeruleo. — *Pers. icon. I.* 9., *syn.* 344. *Fr. syst. I.* 202.

β. beryllus, pileo molli crassiusculo cinereo stipiteque brevi vittis virescentibus notatis. *Fr. et Pers. l. l.*

Var. *α.* ad Salices; *β.* ad Alnos parcius.

3295. *A. gryseo-cyaneus Fr.*, pileo subcembranaceo campanulato fibrilloso lilacino-gryseo, lamellis liberis distinctis purpurascentibus, stipite crassiusculo cavo fibrilloso viridi-caesio. — *Fr. syst. I.* 202. *A. atro-cyaneus Pers. syn.* 344. *A. globosus Schum. A. purpureus Bolt. t.* 41. *B.*

In promontoriis Thuring. rarius.

3296. *A. dichrous Pers.*, pileo subcarnoso subobtuse umbonato violaceo, lamellis subadnexis gryseis pulverulentis, stipite farcto subfarinaceo diluto. — *Pers. syn.* 342. *Fr. syst. I.* 203.

In promontoriis dumetosis passim.

D. deplanati, pileis carnosis campanulatis s. convexiusculis deinque magis deplanatis (nec siccando umbilicatis), lamellis inaequalibus vix (nisi in A. Prunulo) longe decurrentibus decoloribus rhodosporis, stipite firmo discreto. (*Agaricorum tribus* 14. *Clitopilus Fr. A. gymnopodis sp. Pers.*)

3300. *A. umbrosus Pers.*, pileo carnoso rugoso-lacunoso fuligineo umbrinoque villoso, a margine fimbrias proprias emittente, lamellis fuligineis, stipite solido crasso laevi villoso-squamoso. — *Pers. icon. t. 2. f. 5. 6., syn. 358. Fr. syst. I. 200.*

In fagetis umbrosis rarissime. (*Persoon.*)

3301. *A. Pluteus Batsch.* pileo carnoso glabro fuligineo-nigrescente, stipite firmo nigro-fibrilloso. — *Batsch elench. f. 76. Pers. syn. 357. Ditmar t. 28. Necs syst. f. 201. Fr. syst. I. 199. A. atricapillus Batsch l. l. f. 76. A. latus Bolt. t. 2. A. luridus et rimosus Schum. A. fuligineus Batsch l. l. f. 26. et Flor. dan. t. 1063. f. 1. A. lividus Bull. t. 382. A. cervinus Schaeff. t. 10.*

Ad arborum truncos minime rarus.

3302. *A. leoninus Schaeff.*, pileo depresso-campanulato fragili submembranaceo glabro luteo, lamellis margine flavescentibus, stipite solido striato. — *Schaeff. t. 48. Pers. icon. t. 7. f. 2. 4., syn. 337. Fr. syst. I. 199. A. pyrrospermus Bull. t. 547. f. 3.*

β. chrysophaeus, minor, firmior, pileo obscuriore subrugoso, lamellis carneis. — *Fr. l. l. A. chrysophaeus Schaeff. t. 253.*

Ad ligna putredine exesa passim.

3303. *A. pellitus Pers.*, pileo carnoso molli fragili planiusculo villoso stipiteque solido glabro candido. — *Pers. syn. 366. Fr. syst. I. 198. A. lividus Pers. disp. 22.*

In collibus dumetosis Thuring. passim.

3304. *A. prunuloides Fr.*, pileo carnoso glabro stipiteque solido laevi albo. — *Fr. syst. I. 198. A. pellitus Mart. erl. 415. (teste Friesio.)*

In vernaris sterilibus Francon. (*Martius.*)

†† *lamellis adfixis* (*A. rhodopolii Fr.*)

3305. *A. ardosiaceus Bull.*, pileo carnoso glabro campanulato, dein depresso cinereo-virente, lamellis subliberis latescentibus rufescentibus, stipite praelongo crasso

3300. *A. umbrosus Pers.*, pileo carnoso rugoso-lacunoso fuligineo umbrinoque villoso, a margine fimbrias propexas emittente, lamellis fuligineis, stipite solido crasso incurvo villoso-squamoso. — *Pers. icon. t. 2. f. 5. 6., syn. 358. Fr. syst. I. 200.*

In fagetis umbrosis rarissime. (*Persoon.*)

3301. *A. Pluteus Batsch*, pileo carnoso glabro fuligineo-nigrescente, stipite firmo nigro-fibrilloso. — *Batsch elench. f. 76. Pers. syn. 357. Ditmar t. 28. Nees syst. f. 201. Fr. syst. I. 199. A. atricapillus Batsch l. l. f. 76. A. latus Bolt. t. 2. A. luridus et rimosus Schum. A. fuliginatus Batsch l. l. f. 26. et Flor. dan. t. 1063. f. 4. A. lividus Bull. t. 382. A. cervinus Schaeff. t. 10.*

Ad arborum truncos minime rarus.

3302. *A. leoninus Schaeff.*, pileo depresso-campanulato fragili submembranaceo glabro luteo, lamellis margine flavescentibus, stipite solido striato. — *Schaeff. t. 48. Pers. icon. t. 7. f. 3. 4., syn. 337. Fr. syst. I. 199. A. pyrrospermus Bull. t. 547. f. 3.*

β. chrysophaeus, minor, firmior, pileo obscuriore subrugoso, lamellis carneis. — *Fr. l. l. A. chrysophaeus Schaeff. t. 253.*

Ad ligna putredine exesa passim.

3303. *A. pellitus Pers.*, pileo carnoso molli fragili planiusculo villoso stipiteque solido glabro candido. — *Pers. syn. 366. Fr. syst. I. 198. A. lividus Pers. disp. 22.*

In collibus dumetosis Thuring. passim.

3304. *A. prunuloides Fr.*, pileo carnoso glabro stipiteque solido laevi albo. — *Fr. syst. I. 198. A. pellitus Mart. erl. 415. (teste Friesio.)*

In versuris sterilibus Francon. (*Martius.*)

†† *lamellis adfixis* (*A. rhodopolii Fr.*)

3305. *A. ardosiaceus Bull.*, pileo carnoso glabro campanulato, dein depresso cinereo-virente, lamellis subliberis latescentibus rufescentibus, stipite praelongo crasso

concolore glabro cavo. — *Bull. t.* 348. *Pers. syn.* 466. *Fr. syst. I.* 198.

In pascuis udis Thuringiae, ni fallor.

3306. *A. sinuatus Bull.*, pileo amplissimo glabro lato sinuato dein depresso albo-lutescente, lamellis confertissimis subadnexis latissimis rufescentibus, stipite crasso solido aequali candido. — *Bull. t.* 379. *f.* 1. *Fr. syst. I.* 197. *A. grandis Pers. syn.* 329.

In fagetis patruis rarissime.

3307. *A. fertilis Pers.*, pileo subumbonato glabro (fuligineo) livido-pallescente, lamellis latescentibus adnexis distinctis incarnatis, stipite farcto glabro subbulboso. — *Pers. syn.* 328. *Fr. syst. I.* 197. *A. phaeosperma Bull. t.* 534. 547. *f.* 1. 590. *A. inlybaceus Bull. t.* 534. (var.)

In pratis et versuris rarius.

3308. *A. rhodopolius Fr.*, pileo primum campanulato fibrilloso fuscescente, dein livido subsericeo magis deplanato, lamellis adnatis albido-roseis, stipite cavo glabro albo, basin versus strigoso. — *Fr. syst. I.* 197. *A. flexuosus Schum. A. hydrogrammus Bull. t.* 564. *f.* O. *A. repandus Bolt. t.* 6.

In dumetis umbrosis, coryletis passim.

3309. *A. sericellus Fr.*, pileo campanulato convexo subcarnoso sericeo stipiteque fistuloso tenui fibrilloso albis, lamellis adnatis incarnatis. — *Fr. syst. I.* 196. nec Pers.

β. sericeus, pileo ampliore campanulato sericeo squamoso. *Fr. l. l. A. sericeus Pers. syn.* 366., *icon. t.* 6. *f.* 2.

In pascuis graminosis rarius.

3310. *A. elodes Fr.*, pileo carnosulo glabro umbonato fuligineo fragili, lamellis adfixis planis incarnatis, stipite cavo crasso gryseo fibrilloso. — *Fr. syst. I.* 196. *A. adstringens β. placenta A. et Schw. nisk.* 176. *excl. syn.*

In nemoribus udis, v. c. Lusatiae. (*Alb. et Schw.*)

3311. *A. adstringens Pers.*, pileo subcarnoso glaberrimo fuligineo-cinereo subumbonato subspongioso (adstringente), lamellis latis subdecurrentibus confertis

candidis, dein incarnatis, stipite solido substriato, basi subtuberoso. — *Pers. syn.* 350. *Fr. syst. I.* 195.

3312. *A. atro-punctatus Pers.*, ascomatibus parvis gregariis, pileo subcarnoso dilute-cinereo hemisphaerico molli, lamellis decurrentibus distantibus parcis arcuatis crassiusculis pallido-s. cinereo-incarnatis, stipite nudo tenacello livido, squamis punctiformibus nigris adperso. — *Pers. syn.* 353. *Fr. l. l.*

In fagetis Hercyn. inferior. rarissime. (*Persoon.*)

3313. *A. angustus Pers.*, pileo subumbonato glabro livido-caesio, lamellis cofertis angustis plano-decurrentibus incarnatis, stipite farcto crasso dilutiore, basi incurvo villoso. — *Pers. syn.* 345. *Fr. l. l.*

In nemoribus udis inter folia rarius. Auctumno.

3314. *A. hortensis Pers.*, ascomatibus caespitosis, pileo subumbonato fuligineo-subnigrescente, lamellis plano-decurrentibus angustis subcontortis albidis, dein subincarnatis, stipite cavo deorsum incrassato. — *Pers. syn.* 362. *Fr. l. l.*

In hortis lucisque nemorensibus passim. Auctumno.

3315. *A. Prunulus Pers.*, pileo compacto planiusculo albo, saepius excentrico angulato, lamellis longe decurrentibus, postice acuminatis subconfertis albis, dein incarnatis, stipite solido crasso, basi villoso, in pileum diffuso. — *Pers. syn.* 457. *Fr. l. l. A. Mouceron Bull. t.* 142. *A. albellus Schaeff. t.* 78.

In dumetis graminosis passim.

VI. leucospori, pileis veloque variis, lamellis ex sporidiis albis per quamcunque aetatem candentibus. (Agaricorum series 1. *Leucosporus Fr. syst.)*

A. pleuropodes, ascomatibus admodum variis, stipitibus inaequalibus, excentricis s. lateralibus, nonnisi plane nullo suffultis s. sessilibus, lamellis inaequalibus postice acutis, leucosporis. (Agaric. tribus XII. Pleurotus Fr. A. Pleuropodes Pers.)

sessilis Flor. dan. t. 1552. *et A. lateralis t.* 1556. *f.* 2. (*Junior.*) *A. cyaotis Pers. myc.*

Ad truncos Betulae rarius. Autumno.

3322. *A. nidulans Pers.*, pileo carnoso, dein reniformi subsessili tomentoso lutescente, margine involuto, lamellis strictis confertis aurantio-lutcis. — *Pers. icon. t.* 6. *f.* 4. *syn.* 482. *Fr. syst. I.* 189. *A. lateralis auct.*

Ad truncos pineos s. fagineos putres. Autumno.

3323. *A. mitis Pers.*, pileo subcarnoso glabro laevi albido ex albo rufescente, lamellis adnatis confertis simplicissimis distinctis stipiteque laterali sursum dilatato squamuloso albis. — *Pers. syn.* 481. *Fr. syst. I.* 188.

Ad caudices putres Pini Laricis Hercyn. (*Persoon.*)

3324. *A. serotinus Pers.*, pileo compacto subviscoso crasso olivaceo-viridi, lamellis adnatis confertis pallidis angustis, stipite brevi sublateruli fuligineo-squamoso. — *Pers. syn.* 479. *Fr. syst.* 187. *A. lateralis a. Schum. A. crassipes Planer.*

Ad caudices fagineos et alneos passim. Hyeme.

3325. *A. palmatus Bull.*, pileo carnoso tenui laevi glabro rufescente, lamellis adnatis concoloribus, stipite aequali excentrico crassiusculo glabro dilutiore. — *Bull. t.* 216. *Pers. syn.* 474. *Fr. syst. I.* 187.

Ad truncos quercinos eorumque ligna, rarius.

3326. *A. ulmarius Bull.*, pileo compacto glabro obtuse palescente, omnino maculis lividis picturato leviterque excentrico, lamellis confertis distinctis emarginatis albis, stipite valido subbulboso elastico subtomentoso. — *Bull. t.* 510. *Sowerb. t.* 67. *Pers. syn.* 473. *Fr. syst. I.* 186.

Ad truncos Ulmi, Populi nigrae et Fagi. Auctumno.

3327. *A. porrigens Pers.*, ascomatibus imbricatis subflaccidis, pileo adscendente auriformi glabriusculo candido, e basi porrecta tomentosa sessilibus, lamellis linea-

ibus angustis integerrimis. — *Pers. obs. I.* 54., *syn.* 488. *Fr. syst. I.* 184. *A. abietinus Schrad. spic.* 134.

Ad truncos abietinos passim. Auctumno.

3328. *A. petaloides Bull.*, pileo carnoso planiusculo dimidiato spathulato albido-fuscescente, disco stipiteque curto adscendente parce villosis, lamellis confertis linearibus albis. — *Fr. syst. I.* 183. *Bull. t.* 228. *f.* 2. *A. spathulatus Alb. et Schw. misk.* 229.

β. spathulatus, ascomatibus erectis spathaliformibus, pileo alutaceo pallido, disco spongioso-squamuloso, stipite canaliculato. *Fr. l. l. A. spathulatus Pers. syn.* 479. *Nees syst. f.* 178. *A. anomalus Pers.*

Ad truncos fagineos; *β.* ad terram umbrosam.

3329. *A. salignus Pers.*, pileo convexo dilatato, basin depressam versus substrigoso ex albo ochraceo-fuligineo, lamellis albidis subramosis, stipite laterali tenaci albo-tomentoso s. nullo. — *Pers. syn.* 478. cum *var. ochracea et fuliginea Fr. l. l.*

Ad truncos fagineos et salicinos passim.

ribus angustis integerrimis. — *Pers. obs. I.* 54., *syn.* 480. *Fr. syst. I.* 184. *A. abietinus Schrad. spic.* 134.

Ad truncos abietinos passim. Auctumno.

3328. *A. petaloides Bull.*, pileo carnoso planiusculo dimidiato spathulato albido-fuscescente, disco stipiteque curto adsendente parce villosis, lamellis confertis linearibus albis. — *Fr. syst. I.* 183. *Bull. t.* 226. 557. *f.* 2. *A. spathulatus Alb. et Schw. nisk.* 229.

β. spathulatus, ascomatibus erectis spathuliformibus, pileo alutaceo pallido, disco spongioso-squamuloso, stipite canaliculato. *Fr. l. l. A. spathulatus Pers. syn.* 479. *Neos syst. f.* 178. *A. anomalus Pers.*

Ad truncos fagineos; *β.* ad terram umbrosam.

3329. *A. salignus Pers.*, pileo convexo dilatato, basin depressam versus substrigoso ex albo ochraceo-fuligineo, lamellis albidis subramosis, stipite laterali tenaci albo-tomentoso s. nullo. — *Pers. syn.* 478. cum *var. ochracea et fuliginea Fr. l. l.*

Ad truncos fagineos et salicinos passim.

3330. *A. ostreatus Curt.*, ascomatibus caespitosis, pileo carnoso glabro, primum nigrescente, mox fusco s. cinerascente, dein pallide-flavescente, lamellis posticis per anastomosin concurrentibus eglandulosis albis, stipite brevi sublaterali, basi strigoso s. nullo. — *Curt. lond. t.* 216. *Pers. syn.* 477. *Jacq. austr. t.* 288. *Fr. syst. I.* 182. *A. glauco-umbrinus et crispatus Schum. A. nigricans Fl. dan. t.* 892. *A. atro-albus Otto. A. dimidiatus Bull. t.* 508.

Ad caudices arborum haud quidem raro. Auctumno.

3331. *A. glandulosus Bull.*, ascomatibus caespitosis horizontalbus, pileo compacto dilute badio dimidiato laevi sublobato, lamellis latescentibus, basin versus ramoso-concurrentibus glandulosis candidis, stipite brevi crasso s. plane nullo. — *Bull. t.* 426. *Pers. syn.* 474. *Alb. et Schw. nisk.* 228. *Fr. syst. I.* 182.

Ad truncos Populi, Juglandis et Sambuci, rarius, v. c. Lusatiae superior. Auctumno.

B. depressi, ascomatibus substantia et colore variis, pileis primum umbilicatis, dein expansis, infundibuliformibus, semper depressis, margine reflexis, raro patulis, lamellis inaequalibus exsuccis leucosporis, velo nullo, stipitibus primum farctis, dein cavis, vix bulbosis. (A. tribus XI. Omphalia Fr. Pers.)

† *membranacei, pileis submembranaceis, lamellis decurrentibus. (Ag. Omphalia Mycenaria Fr. Micromphali Nees.)* — Fungi minores, terrestres s. epiphyti, insipidi.

3338. *A. muscorum Hoffm.*, pileo plano-convexiusculo umbilicato striato stipiteque brevi basin versus incrassato flavo-fuscis, lamellis pallidioribus. — *Hoffmanneel. t. 5. f. 3. Pers. 470. Fr. syst.* 167.

Inter muscos ad arborum truncos passim. Autumno.

3339. *A. Campanella Batsch*, ascomatibus subcaespitosis, pileo convexo tenaciter membranaceo umbilicato striato ferrugineo, lamellis flavescentibus, stipite fistuloso spadiceo deorsum villoso. — *Batsch. Pers. sy.*

B. depressi, ascomatibus substantia et colore variis, pileis primum umbilicatis, dein expansis, infundibuliformibus, semper depressis, margine reflexis, raro patulis, lamellis inaequalibus exsuccis leucosporis, velo nullo, stipitibus primum farctis, dein cavis, vix bulbosis. (A. tribus XI. Omphalia Fr. Pers.)

† *membranacei, pileis submembranaceis, lamellis decurrentibus. (Ag. Omphalia Mycenaria Fr. Micromphali Nees.)* — Fungi minores, terrestres s. epiphyti, insipidi.

3338. *A. muscorum Hoffm.*, pileo plano-convexiusculo umbilicato striato stipiteque brevi basin versus incrassato flavo-fuscis, lamellis pallidioribus. — *Hoffm. nomenel. t. 5. f. 3. Pers. 470. Fr. syst. 167.*

Inter muscos ad arborum truncos passim. Auctumno.

3339. *A. Campanella Batsch*, ascomatibus subcaespitosis, pileo convexo tenaciter membranaceo umbilicato striato ferrugineo, lamellis flavescentibus, stipite fistuloso spadiceo deorsum villoso. — *Batsch. Pers. syn. 469. Nees syst. f. 191. Fr. syst. I. 166. A. fragilis Schaeff. t. 230.*

Ad arborum, Abietum v. c. candices. Auctumno.

3340. *A. badipus Pers.*, pileo carnoso-membranaceo glabro subferrugineo, dein obtuso subcampanulato, lamellis latiusculis plano adscendentibus concoloribus, stipite albido-fibrilloso deorsum badio subtenaci. — *Pers. syn. 318. Fr. syst. I. 167.*

In pinetis Hercyn. super. passim subsolitarius. (*Pers.*)

3341. *A. tricolor A. et Schw.*, pileo plano-umbilicato glabro ochraceo-flavo, lamellis distantibus subramosis, postice latissimis aurantio-roseis, stipite farcto tenaci deorsum pubescente. — *Alb. et Schw. misk. 224. t. 9. f. 5. Fr. syst. I. 166.*

In versuris et pascuis graminosis, rarius. Aestate.

3342. *A. cricetorum Pers.*, pileo subturbinato plano-umbilicato striato albo s. straminco, lamellis distantibus postice crassioribus latissimis albis, stipite laevi

basin versus pubescente. — *Fr. syst. I.* 165. *A. grossulus et hygrophilus Pers. myc. A. niveus Fl. dan. t.* 1015. *f.* 1. *A. umbellifer L. suec. (pileo albo.)* — *A. cricetorum Pers.* 472. *Alb. et Schw.* 225. *(pileo grysco.)*

Ad terram in campis uliginosis s. udis. Hyeme.

3343. *A. pyxidatus Bull.*, ascomatibus testaceo-rufescentibus expallentibus, pileo infundibuliformi submembranaceo glabro, lamellis angustis decurrentibus, stipite firmo albido villoso. — *A. pyxidatus Bull. t.* 568. *f.* 2. *Nees syst. f.* 192. *Pers. syn.* 171. *Fr. syst. I.* 164. *A. ventosus Fr. obs.*

In campis editioribus passim. Hyeme.

3344. *A. Fibula Bull.*, ascomatibus tenellis, pileo convexo glabro aurantio-flavo, lamellis distantibus decurrentibus albidioribus, stipite tenui puberulo lutescente. — *Bull. t.* 186. 550. *Pers. syn.* 471. *Fr. syst.* 163. *A. Clavus Schum. A. parvus With.*

β. tubaeformis, ascom. majoribus, pileo umbilicato striato ochraceo-fulvo, lamellis arcuatis candidis, stipite undulato concolore. — *A. Fibula β. Tubula Pers. l. l.*

Ad truncos putres; *β.* inter muscos in monte Meissner Hass. *(Persoon.)*

3345. *A. scyphoides Fr.*, pileo membranaceo inaequali sericeo candido, lamellis subplicaeformibus angustis confertis, stipite farcto villoso. — *Fr. syst. I.* 163. *A. buccinalis Batsch cont. II. f.* 214.

In lucis umbrosis ad terram rarissime.

3346. *A. chrysoleucus Pers.*, pileo profunde umbilicato glabro albido submembranaceo, margine reflexo striato, lamellis angustis confertis luteis, stipite farcto. — *Fr. syst. I.* 167. *? Pers. syn.* 457. *A. mollis Bull. t.* 38. *A. excavatus Leyss. Willd. berol.* 389.

In nemoribus caeduis passim. Auctumno.

3347. *A. chrysophyllus Fr.*, pileo flocculoso *flaccido humido luteo-fusco*, sicco alutaceo-cano, lamellis *distantibus stipiteque subfistuloso* luteo-vitellinis. — Fr.

B. depressi, ascomatibus substantia et colore variis, pileis primum umbilicatis, dein expansis, infundibuliformibus, semper depressis, margine reflexis, raro patulis, lamellis inaequalibus exsuccis leucosporis, velo nullo, stipitibus primum farctis, dein cavis, vix bulbosis. (A. tribus XI. Omphalia Fr. Pers.)

† *membranacei, pileis submembranaceis, lamellis decurrentibus. (Ag. Omphalia Mycenaria Fr. Micromphali Nees.)* — Fungi minores, terrestres s. epiphyti, insipidi.

3338. *A. muscorum Hoffm.*, pileo plano-convexiusculo umbilicato striato stipiteque brevi basin versus incrassato flavo-fuscis, lamellis pallidioribus. — *Hoffmomenel. t. 5. f. 3. Pers. 470. Fr. syst. 167.*

Inter muscos ad arborum truncos passim. Auctumno.

3339. *A. Campanella Batsch*, ascomatibus subcaespitosis, pileo convexo tenaciter membranaceo umbilicato striato ferrugineo, lamellis flavescentibus, stipite fistuloso spadiceo deorsum villoso. — *Batsch. Pers. syn. 469. Nees syst. f. 191. Fr. syst. I. 166. A. fragilis Schaeff. t. 230.*

Ad arborum, Abietum v. c. caudices. Auctumno.

3340. *A. badipus Pers.*, pileo carnoso-membranaceo glabro subferrugineo, dein obtuso subcampanulato, lamellis latiusculis plano adscendentibus concoloribus, stipite albido-fibrilloso deorsum badio subtenaci. — *Pers. syn. 318. Fr. syst. I. 167.*

In pinetis Hercyn. super. passim subsolitarius. *(Pers.)*

3341. *A. tricolor A. et Schw.*, pileo plano-umbilicato glabro ochraceo-flavo, lamellis distantibus subramosis, postice latissimis aurantio-roseis, stipite farcto tenaci deorsum pubescente. — *Alb. et Schw. misk. 224. t. 9. f. 5. Fr. syst. I. 166.*

In versuris et pascuis graminosis, rarius. Aestate.

3342. *A. cricetorum Pers.*, pileo subturbinato plano-umbilicato striato albo s. stramineo, lamellis distantibus postice crassioribus latissimis albis, stipite brevi,

3367. *A. epipterygius Scop.*, pileo obtuse striato stipiteque elongato flavo viscosis, lamellis uncinatis. — *Scop. Pers. Sw. DC. Fr. syst. I.* 155. *A. flavipes Schaeff. t.* 31. *A. rufocephalus, strigosus et laevigatus Sebum. A. clypeatus With. A. nutans Sowerb. t.* 92.

Ad terram muscosam dumetorum passim. Autumno.

††† *sicci, pileis siccis umbonatis, vix saltem depressis, lamellis liberis s. adnatis (nec decurrentibus.) (Ag. Mycenae genuinae Fr.)*

3368. *A. Mucor Batsch*, ascomatibus minimis griseis, pileo glabro, primum conico, dein magis explanato plicato, lamellis adnatis paucis distantibus, stipite glabro in basin dilatato. — *Batsch cont. I. f.* 82. *Fr. syst. I.* 155. *A. integrellus Nees syst. f.* 187.

Ad folia humi putrescentia passim. Autumno.

3369. *A. platypus Nees*, ascomatibus albo-cr[illegible] minimis, pileo hemisphaerico [illegible]

mellis adnatis albis. — *Fr. syst. I.* 152. *Alb. et Schw. misk.* 194. *Bolt. t.* 38. *f.* 1.
In pinetis muscosis Lusatiae. (*Alb. et Schweinitz.*)

3372. *A. lineatus Bull.*, pileo obtuso lineato-striato flavo, lamellis subventricosis adfixis albis, stipite basi albo-villoso. — *Bull. t.* 522. *f.* 3. *Pers. syn.* 382. *Fr. syst. I.* 152.
In terra nuda fagetorum. Auctumno.

3374. *A. Adonis Bull.*, pileo obtuso laevi albo (s. roseo, flavente viridique), lamellis adnatis candidis, stipite laevi glabro, basi fibris villosis destituto. — *Bull. t.* 560. *f.* 2. *Pers. syn.* 391. *Fr. syst. I.* 152.
Ad terram nemorum udorum. Auctumno.

3375. *A. purus Pers.*, pileo carnoso-membranaceo obtuso subroseo, lamellis rotundatis ventricosis pallidioribus, stipite laevi e purpura fuscescente, basin versus villoso. — *Pers. syn.* 339. *Flor. dan. t.* 1612. *Fr. syst. I.* 151. *A. lilacinus, dilutus et purpurascens Schum. A. roseus Bull. t.* 162. 507. *Flor. dan. t.* 1673. *A. janthinus Batsch elench. f.* 20.
In hrycetis fagetorum minime raro. Auctumno.

3376. *A. roseellus Bull.*, ascomatibus roseis, pileo obtuso umbonato striato membranaceo, lamellis adnatis, margine saturatius tinctis, stipite exsucco tenui basi albo-villoso. — *Bull. t.* 518. *Fr. syst. I.* 151. *A. roseus Pers. syn.* 393. *t.* 3. *f.* 5.
In pinetis umbrosis passim et gregatim. Auctumno.

3377. *A. strobilinus Pers.*, ascomatibus gregariis coccineis, pileo acute umbonato, margine striato, lamellis adnatis rubellis apicem versus saturatioribus, stipite firmo fistuloso exsucco rigidulo, prope basin albo-strigoso. — *Pers. syn.* 393. *Alb. et Schw.* 190. *Fr. syst. I.* 150. *A. roseaceus Schum. A. coccineus Sowerb. t.* 197.
In fagetis et pinetis ad ramos deciduos. Auctumno.

3378. *A. elegans Pers.*, pileo striato livido-flavescente, lamellis linearibus adnatis lividis, margine croceis,

stipite rigido laevi, basi fibrilloso. — *Pers. syn.* 391. *A. et Schw.* 176. *Fr. syst.* 149. *A. foeniculacei var. Schum.*
In pinetis patruis passim. Auctumno.

3379. *B. sanguinolentus A. et Schw.*, pileo striato subhemisphaerico rubello tenuissimo, lamellis adfixis atro-purpureo-marginatis, stipite debili laticem rubellum stillante. — *Alb. et Schw.* 196. *Fr. syst. I.* 149.
In nemoribus udis, v. c. Lusatiae super. (*A. et Schw.*)

3380. *A. haematopus Pers.*, ascomatibus caespitosis, pileo carnoso-membranaceo albo-rubescente, lamellis adfixis albis stipiteque succo atro-sanguineo scatentibus. — *Pers. syn.* 379. *Fr. syst. I.* 149.
Ad truncos abietinos et fagineos passim. Auctumno.

3381. *A. galopus Pers.*, pileo striato glauco-nigrescente obtuse umbonato, nonnisi tenuiter pruinoso, lamellis adfixis albis s. glaucescentibus, stipite gracili (saepius in basin fibrillosam protenso), succo albo scatente.

3385. *A. janthinus Fr.*, ascomatibus janthino-purpureis expallentibus, pileo subumbonato membranaceo, margine striato, lamellis attenuato-adnexis antice latioribus, stipite glabro striato. — *Fr. syst. l. l. A. purpurascens Schrad. spic.* 127.

In pinetis muscosis Hercyn. Auctumno.

3386. *A. atro-cyaneus Batsch*, pileo obtuso stipiteque brevi subpruinosis striatis nigricantibus, margine lamellisque subadnexis albidioribus. — *Fr. l. l. Batsch cont. 1. f.* 87. *A. Batschii Fr. obs. 1.* 47.

Ad terram in locis umbrosis. Auctumno.

3387. *A. polygrammus Bull.*, pileo obsolete striato subcinereo, lamellis attenuato-adnexis albis, stipite longe rigido striato splendente. — *Fr. l. l. Bull. t.* 395. *Pers. syn.* 377. *Flor. dan. t.* 1615. *f.* 1. *A. fuscipes et gulericulatus Schum. Flor. dan. t.* 1398. *A. fistulosus Bull. t.* 518. *A. cynophallus Batsch cont. 1. f.* 85.

Inter folia decidua et ad truncos putres. Auctumno.

3388. *A. plexipes Fr.*, pileo umbonato striatulo fuligineo, lamellis attenuatis albis, stipite e fibris implexis sericeo-striato livido. — *Fr. l. l. A. inodorus Schum. A. fuliginarius Batsch elench. f.* 40.

In campis graminosis juxta truncos passim.

3389. *A. muscigenus Schum.*, ascomatibus tenellis albis, pileo hemisphærico lævi, lamellis adnatis subconfertis linearibus, stipite setaceo exsucco flacco. — *Fr. l. l. Schum. saell. II.* 145. *A. trichopus Scop.*

Ad caudices muscosos rarius.

3390. *A. metatus Fr.*, ascomatibus exsuccis inodoris gregariis, pileo obtuso membranaceo striato, sicco expallente lævi, lamellis adnatis albis, stipite rigido subfragili, basi fibrilloso. — *Fr. syst. l. l. A. pilosus Flor. dan. t.* 1615. *f.* 2. *A. lævigatus Pers. A. tener Scop.*

β. plicosus, pileo lineato-striato, lamellis crassiusculis stipiteque gryseis. *Fr. l. l. A. griseus Batsch.*

In pinetis ad terram ubertim. Auctumno sero.

3391. *A. galericulatus Scop.*, ascomatibus tenacellis exsuccis inodoris, pileo membranaceo rugoso striato fuscescente, lamellis adnatis albidis dein cinerascentibus denteque decurrentibus, stipite laevi rigido opaco tenaci, basin versus radicato strigoso. — Scop. *Schaeff. t.* 52. *Nees syst. f.* 185. *Pers. syn.* 376. *Fr. l. l. A. fistulosus Bull. t.* 518. *A. pseudoclypeatus Bolt. A. mammillaris Hoffm. l. l. t.* 4. *f.* 1. *A. campanulatus L.*

In terra, vel intra s. juxta truncos putres abundanter. Auctumno. (Perquam variabilis: *major*, pileo carnoso rugoso majore, stipite rigido, (*Schaeff. l. l. f.* 7–9. *Nees syst. f.* 185. *β. A. galer. praemorsus Pers. A. asciticus Pers. Amanita sulcata Lam.*); *elatus*, pileo subhemisphaerico papillato, stipite praelongo filiformi flaccido. (*A. cucullatus Schum. A. tenuis auct. A. pilosus Pers. Bull. t.* 518. *f. P.*) Nec desunt monstra cryptophila in cellis truncisque cavis, (*A. Myurus Hoffm. veg. t.* 3. – *A. proliferus Sow.*)

3395. *A. alliaceus Jacq.*, pileo lento-albo fuvescente glab., lamellis liberis adnatis, stipite procero rigido subcorneo pruinoso-velutino nigrescente. — *Fr. l. l. Jacq. austr.* t. 82. *Pers. syn.* 375. *Flor. dan.* t. 1251.

Inter folia in fagetis, rarius etiam in pinetis. Aestate.

D. scleropodes, ascomatibus aridis persistentibus parvis, stipite fistuloso tenui stipato, plerumque colorato insignibus, pileis membranaceis tenacellis, vix nisi carnosulis, convexis dein deplanatis, lamellis exsuccis obtusis albis, passim etiam lutescentibus. (Agar. trib. 2. Collybia Fr. Gymnopodis, Mycenae et Omphaliae sp. Pers.)

† *tenacelli, pileis tenuiter membranaceis lentis planis, dein depressis plicato-rugosis, lamellis subconnatis homogeneis, stipite gracili, subcorneo (ex fusco-nigroque) colorato. (Ag. Collybiae omphaliariae Fr.)*

3396. *A. epiphyllus Pers.*, pileo planiusculo rugoso lamellisque adnatis paucis ventosis albis, stipite fistuloso tenuiter velutino, deorsum spadiceo. — *Fr. syst. I.* 133. *Pers. syn.* 468. *A. rugatus Flor. dan.* t. 1194. *A. umbellifer Bolt. A. Squamula Batsch. Sowerb.* t. 93. *A. luctuosus Bull.* t. 601. *f.* 2. *Helotium melanopus Pers. (monstr.)*

Ad folia decidua aliasque quisquilias putres. Auct.

3397. *A. perforans Hoffm.*, pileo subcarnosulo planiusculo ruguloso pallescente, lamellis adnatis simplicibus crassiusculis alternatim inaequalibus, stipite fistuloso laevi velutino nigro-badio. — *Hoffm. nom.* t. 4. *f.* 2. *Fr. syst. I.* 138. *A. Abietis Batsch el. f.* 10. *(junior.) A. undrosaceus Schaeff.* t. 239.

In foliis abietinis dejectis minime raro. Hyeme.

3398. *A. venosus Pers.*, pileo submembranaceo tenaci umbilicato exarato-plicato badio-fulvo, lamellis paucis subconnectentibus glaucisve annulato-connexis cumque stipite fistuloso spadiceo velutino adnatis. — *Pers. syn.* 467. *A. foetidus Fr. syst. I.* 138.

Ad ramos truncosque arborum putres rarius. Aestate.

3399. *A. androsaceus L.*, pileo convexo glabro

3391. *A. galericulatus Scop.*, ascomatibus tenacellis exsuccis inodoris, pileo membranaceo rugoso striato fuscescente, lamellis adnatis albidis dein cinerascentibus denteque decurrentibus, stipite laevi rigido opaco tenaci, basin versus radicato strigoso. — *Scop. Schaeff. t.* 52. *Nees syst. f.* 185. *Pers. syn.* 376. *Fr. l. l. A. fistulosus Bull. t.* 518. *A. pseudoclypeatus Bolt. A. mammillaris Hoffm. l. l. t.* 4. *f.* 1. *A. campanulatus L.*

In terra, vel intra s. juxta truncos putres abundanter. Auctumno. (Perquam variabilis: *major*, pileo carnoso rugoso majore, stipite rigido, *(Schaeff. l. l. f.* 7–9. *Nees syst. f.* 185. *β. A. galer. praemorsus Pers. A. acetici Pers. Amanita sulcata Lam.)*; *elatus*, pileo subhemisphaerico papillato, stipite praelongo filiformi flaccido, *(A. cucullatus Schum. A. tenuis auct. A. pilosus Pers. Bull. t.* 518. *f. P.)* Nec desunt monstra cryptophila in cellis truncisque cavis, *(A. Myurus Hoffm. veg. t.* 3. – *A. proliferus Sow.)*

3392. *A. alcalinus Fr.*, pileo obtuso striato cinereo olido, lamellis adnatis ex albo-glaucis, stipite laevi firmo, basi villoso. — *Fr. l. l. A. sulphureus Scop.*

β. leptocephalus, pileo umbonato tenui cinereo, lamellis crassis, stipite glabro brevi. — *Fr. l. l. A. leptocephalus Pers. ic. t.* 14. *f.* 4., *syn.* 381.

Ad truncos; *β.* in sylva sollingens. rarissime. *(Pers.)*

3393. *A. supinus Fr.*, ascomatibus parvis gregariis, pileo obtuso striato gryseo, lamellis subliberis ventricosis stipiteque brevi incurvo glabro albis. — *Fr. l. l. A. griseus Flor. dan. t.* 1551. *f.* 2. *A. pusillus Hoffm. t.* 6. *f.* 2.

Ad truncos fagineos passim. Auctumno.

3394. *A. filipes Bull.*, pileo obtuso striato lividofusco, lamellis liberis ventricosis albis, stipite longo laevi, in basin infixam pilosam desinente. — *Fr. l. l. Bull. t.* 320. *A. pilosus Batsch el. f.* 1. *A. membranaceus Hoffm. l. l. t.* 6. *f.* 1.

In dumetis umbrosis passim. Auctumno.

3395. *A. alliaceus Jacq.*, pileo lento-albo fuscescente olido, lamellis liberis adnatis, stipite procero rigido subcorneo pruinoso-velutino nigrescente. — *Fr. l. l. Jacq. austr. t.* 82. *Pers. syn.* 375. *Flor. dan. t.* 1251.
Inter folia in fagetis, rarius etiam in pinetis. Aestate.

D. scleropodes, ascomatibus aridis persistentibus parvis, stipite fistuloso tenui stipato, plerumque colorato insignibus, pileis membranaceis tenacellis, vix nisi carnosulis, convexis dein deplanatis, lamellis exsuccis obtusis albis, passim etiam lutescentibus. (Agar. trib. 9. Collybia Fr. Gymnopodis, Mycenae et Omphaliae sp. Pers.)

† *tenacelli, pileis tenaciter membranaceis lentis planis, dein depressis plicato-rugosis, lamellis subvenosis homogeneis, stipite gracili, subcorneo (ex fusco-nigroque) colorato. (Ag. Collybiae omphalariae Fr.)*

3396. *A. epiphyllus Pers.*, pileo planiusculo rugoso lamellisque adnatis paucis venosis albis, stipite fistuloso tenuiter velutino, deorsum spadiceo. — *Fr. syst. I.* 139. *Pers. syn.* 468. *A. rugatus Flor. dan. t.* 1194. *A. umbelliferBolt. A. Squamula Batsch. Sowerb. t.* 93. *A. lacteus Bull. t.* 601. *f.* 2. *Helotium melanopus Pers. (monstr.)*
Ad folia decidua aliasque quisquilias putres. Auct.

3397. *A. perforans Hoffm.*, pileo subcarnosulo planiusculo ruguloso pallescente, lamellis adnatis simplicibus crassiusculis alternatim inaequalibus, stipite fistuloso laevi velutino nigro-badio. — *Hoffm. nom. t.* 4. *f.* 2. *Fr. syst. I.* 138. *A. Abietis Batsch el. f.* 10. *(junior.) A. androsaceus Schaeff. t.* 239.
In foliis abietinis dejectis minime raro. Hyeme.

3398. *A. venosus Pers.*, pileo submembranaceo tenaci umbilicato exarato-plicato badio-fulvo, lamellis paucis subconcoloribus glaucisve annulato-connexis cumque stipite fistuloso spadiceo velutino adnatis. — *Pers. syn.* 467. *A. foetidus Fr. syst. I.* 138.
Ad ramos truncosque arborum putres rarius. Aestate.

3399. *A. androsaceus L.*, pileo convexo plicato

2415. *A. fusco-purpureus Pers.*, pileo subcarnoso ruguloso atro-purpureo expallente, lamellis liberis rufescentibus, stipite fistuloso rubiginoso in basin caudatam strigosam desinente. — *Pers. syn.* 451., *icon. t.* 4. *f.* 1.

Inter quisquilias fagetorum putres rarius. Aestate.

2416. *A. porreus Fr.*, pileo subcarnoso laevi lamellisque subliberis albis graveolentibus, stipite fistuloso longo tomentoso rufescente. — *Fr. syst. I.* 128. *A. allicinus Schum. A. alliaceus Bull. t.* 158. 534. *A. porreus Pers. pr. pr.*

In fagetis et quercetis passim. Auctumno.

2417. *A. oreades Bolt.*, pileo carnoso tenaci subumbonato e rufo-pallescente, lamellis distantibus stipiteque solido tereti villoso-corticato pallidis. — *Fr. l. l. Bolt. t.* 151. *A. collinus Pers. syn.* 330. *excl. syn. A. corticatus Fr. obs. A. tortilis DC. A. caryophylleus Schaeff. t.* 77. *A. coriaceus Lightf.*

In pascuis versurisque passim. Vere.

2418. *A. peronatus Bolt.*, pileo convexo carnoso, dein subcoriaceo explanato, lamellis distantibus flavis pallescentibus, stipite albo-flavente solido, in basin incurvam radicatam flavo-strigosam producto. — *Fr. l. l. Bolt. t.* 58. *Pers. syn.* 331. *A. lanatus Schum.*

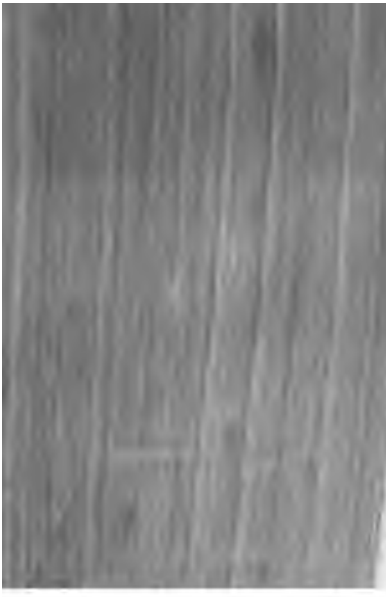
Inter quisquilias nemorenses vulgaris. Aestate.

2419. *A. chrysenteros Bull.*, pileo carnoso hemisphaerico subumbonato lamellisque liberis flavis, stipite glabro laevi solido, basi albo-strigoso. — *Fr. l. l. Bull. t.* 556. *f.* 1. *Pers. syn.* 321.

Inter folia dejecta, nec non ad ramos. Auctumno.

b. chondropodes, pileis carnosulis dein expansis siccis, lamellis liberis angustis, stipite rigido tenaci, extus stipato striato s. villoso, sursum attenuato, basi radicato. (*Ag. Clitocybae* 8. *chondropodes. Fr.*)

2420. *A. aquosus Bull.*, pileo subcarnoso planiusculo albo-lutescente, margine striato, lamellis fragili-



pite fistul
l. l. Bull. t.
In nem

3422.
nulato, dei
mellis libe
Fr. l. l. S
In pron

3423. *A*
cato-caespi
confertis li
lamellis lib
compresso
icon. 5. *f.* 1
β. rufo-
subadnexis
et Schw. nis
In nemor

3424. *A.*
tosis, pileo
stipite fistulo
syn. 367. *Fr.*
β. repens,
cidis. *F. l. l.*
Inter quisq

2426. ***A. accretus Fr.***, ascomatibus fasciculatis, pileo subcarnoso-incarnato, dein explanato, lamellis liberis, stipite fistuloso rubro glabro, sursum attenuato, basin versus tomentoso. — *Fr. l. l. A. erythropus γ. corticalis Alb. et Schw. l. l.*

In pinetis juxta caudices putres passim. Autumno.

2427. ***A. butyraceus DC.***, pileo carnoso, dein umbonato badio-rufo s. fuscescente, lamellis subliberis crenulatis, stipite subsimico cartilagineo-corticato striato rufescente, basin versus incrassato tomentoso. — *DC. gall. II, 181. Fr. syst. I. 121. A. leucophyllus et trichopus Pers. syn. 308. A. leiopus var. A. et Schw. 181. A. spongiosus Schum. — Bull. t. 572.*

Inter folia decidua in pinetis. Autumno.

2428. ***A. fusipes Bull.***, ascomatibus gregariis, pileo carnoso laxo, lamellis subliberis serratis, stipite cavo ventricoso sulcato albido radicato, — *Fr. syst. I. 120. Bull. t. 516. Pers. syn. 312. A. crassipes Schaeff. t. 87. 88. A. vellis et Rudolphi Batsch f. 14. 23. (pileo flavo.)*

Inter ramenta lignea uda. Aestate.

2429. ***A. costatus W.***, pileo amplo, a centro carnoso umbonato-mamillari inde depresso, pilis brevibus sparsis dilute fuscescentibus obsito fusco-canescente, lamellis latescentibus crassiusculis candidis remotis cum aliis minoribus dentiformibus antice interjectis, stipite epithamneo stricto albo-farcto subligneascente corticato, pilis subfasciculatis densis rubiginosis brevibus subpressis velutino, siccando sulcato-striato. — *?A. longissimus Batt. t. 9. J. Fr. syst. I. 120.*

Ad latera viarum uda Hercyn. infer. Autumno. (Stipites praelongi, mediotenus plerumque nodo incrassato interrupti, colore novellos Rhois typhinae, sulcis Clematidis Vitalbae vitiles fere aemulantur stirpemque signant perquam singularem ac pulcherrimam.)

c. rhizopodes, pileo carnosulo plano-convexiusculo glabro, dein rugoso, stipite junioro spongioso-farcto, dein

deficientibus, stipite tenaci aequali cavo sursum pruinato. — *Fr. syst. I.* 172. *A. dicolor Pers. syn.* 462. *A. cyathiformis Bull. t.* 248.

In pinetis patruis passim. Auctumno.

3354. *A. expallens Pers.*, pileo carnosulo umbilicato (humido) striato lamellisque distantibus cinereis, stipite farcto crassiusculo aequali tenaci. — *Pers. syn.* 461. *Fr. syst. I.* 172.

In pinetis, v. c. Hercyn. super. passim. Aestate.

3355. *A. cyathiformis Bull.*, pileo carnosulo infundibuliformi laevi glabro nigrescente-umbrino, margine reflexo, lamellis distantibus cinerascentibus, stipite elastico sursum attenuato. — *Bull. t.* 515. 568. *f.* 1. *Nees syst. f.* 172. *Fr. syst. I.* 173. *A. obcampanulatus et umbrinus Schum. A. tardus Pers. syn.* 461. *A. discolor β. Alb. et Schw. nisk.* 221. *A. sordidus Dicks. A. Infundibulum Leyss. A. sericeus Planer. A. concavus Scop.* — *Vaill. bot. t.* 14. *f.* 1.

Ad terram truncosque exesos frequens, auctumno.

††† *lenti, pileis subinfundibuliformibus (saepius inaequalibus et squamosis) carnoso-coriaceis lentis, duriusculis, lamellis decurrentibus, stipitibus firmis in pileum diffusis. (Ag. Omphalia, Lentiscyphi Fr.)*

3356. *A. tigrinus Bull.*, pileo regulari umbilicato albido, squamis pilosis nigricantibus vestito, lamellis denticulatis albis, stipite tenui parce squamuloso. — *Bull. t.* 70. *Sowerb. t.* 68. *Pers. syn.* 458. *Fr. syst. I.* 176.

Ad truncos putres rarius. Aestate s. vere.

3357. *A. lepideus Fr.*, pileo compacto inaequali dilute ochraceo, squamis macularibus saturatioribus vestito, lamellis laceris, stipite valido squamoso. — *Fr. syst. I.* 176. *A. polymorphus Pers. myc. A. tigrinus Schum. A. tessellati var. dentata A. et Schw.* 226. *A. squamosus Schaeff. t.* 29. 30. — *Monstra sunt: A. tubaeformis Schaeff. t.* 248. 249. *Flor. dan. t.* 1438. (*stipite longo curvo, pilcis imminutis.*) — *Clavaria cornuta Retz.*

l. l. A. pratensis var. Pers. syn. praef. 29. *A. cinereo-rimosus Batsch cont. II. f.* 206. *A. ovinus Bull. t.* 580.

In pratis collinis passim. Auctumno.

3435. *A. nitens Batsch*, pileo subcarnoso ruguloso subtomentoso nigrescenti-umbrino, margine inaequali, lamellis ventricosis glauco-cinereis, stipite brevi albicante. — *Batsch cent. II. f.* 192. *Pers. syn.* 359. *Fr. syst. I.* 116.

In promontoriis siccis, passim. Auctumno sero.

3436. *A. murinaceus Bull.*, pileo subcarnoso difformi rimoso-squamuloso cinereo, lamellis collinitis distantibus stipiteque cavo difformi cinerascentibus. — *Fr. l. l. Bull. t.* 520. *A. nitratus Pers. syn.* 356.

In similibus cum praeced. locis. Auctumno.

3437. *A. murinus Batsch*, pileo carnosulo obtuso laevi brunneo-fusco, lamellis latissimis albis, stipite cavo longo aequali. — *Batsch elench. f.* 19. *Fr. l. l.*

In pratis pinguibus passim. Auctumno ineunte.

3438. *A. melaleucus Pers.*, pileo carnoso molli plasiusculo laevi, lamellis confertis subventricosis candidis, stipite striato livido tenui longo, demum cavo. — *Pers. syn.* 355. *Fr. syst. t.* 114.

In pinetis montosis passim.

e. calodontes, ascomatibus rigidis firmis, pileis carnosulis campanulato-explanatis, margine tenuatis, lamellis latescentibus, venoso-connexis, margine denticulis s. floccis saturatioribus veluti appendiculatis, stipite graciti, subfistuloso, Fr. l. l.

3439. *A. marginellus Pers.*, pileo campanulato albido-umbrino discoideo, lamellis arcuato-adnexis inaequalibus albis, margine fimbriato umbrino, stipite basi subtuberoso piloso. — *Pers. syn.* 309. *Fr. syst. I.* 113.

Ad truncos abietinos Hercyn. super. (*Persoon.*)

f. vesypii, ascomatibus rigidis exsuccis, pileis convexo-explanatis, dein depressis, epidermide in squamas

3361. *A. acicularis Hoffm.*, ascomatibus albis, pileo primum subcapitato, dein campanulato s. umbilicato tenerrimo, lamellis adnatis distantibus, stipite tenacello flaccido glabro capillari, apicem versus fuscescente. — *A. capillaris Schum. Fr. syst. I.* 160. *A. acicularis Hoffm. nomencl. t.* 5. *f.* 2.

Ad folia faginea putrida. Auctumno.

3362. *A. integrellus Pers.*, ascomatibus candidis exiguis, pileo hemisphaerico, dein depresso, margine striato, lamellis rugaeformibus decurrentibus distantibus, stipite basin bulbosam versus pilosulo. — *Pers. icon. t.* 13. *f.* 5., *syn.* 393. *Fr. syst. I.* 161.

Inter quisquilias humi putrescentes. Auctumno.

3363. *A. cucullatus Pers.*, ascomatibus subgregariis candidis, pileo campanulato laevi, lamellis arcuatis decurrentibus, stipite longo, basi subincrassato pilis erectis horrido. — *Pers. syn.* 372. *Fr. syst. I.* 158.

Inter muscos Hercyn. inferior. rarius. (*Persoon.*)

3364. *A. pellucidus Bull.*, ascomatibus rufescentibus, pileo submembranaceo umbonato-campanulato, margine striato, lamellis latissimis decurrentibus, stipite farcto basin versus incrassato. — *Bull. t.* 550. *f.* 2. *Fr. syst. I.* 156. *A. biconus Pers. syn.* 317.

Ad terram nudam Thuring. Auctumno.

†† *visciduli, ascomatibus viscidulis, lamellis adnatis s. decurrentibus.* (*Ag. Mycenae hygrociboideae Fr.*)

3365. *A. vulgaris Pers.*, ascomatibus parvis gregariis niveis, pileo umbonato, demum depresso striato cinerascente, lamellis decurrentibus candidis, stipite brevi firmo viscoso. — *Pers. syn.* 394. *Fr. syst. I.* 156. *A. cucullatus Flor. dan. t.* 1678. *f.* 2. *A. papillatus Schrad.*

In pinetis ad terram passim. Auctumno udo.

3366. *A. citrinellus Pers.*, pileo umbonato striato stipiteque brevi subviscoso citrinis, lamellis uncinatis albis. — *Pers. icon. t.* 11. *f.* 3., *syn.* 384. *Flor. dan. t.* 1614. *f.* 1. *Fr. syst. I.* 155. *A. tenellus Batsch elench. f.* 88.

In pinetis ad terram rarius. Auctumno.

β. rufus, pileo rufo s. carneo, siccando subochraceo. *Fr. l. l. A. roseilus, subcarneus Batsch cont. I. f.* 99. 100. *A. farinaceus Huds. Bolt. t.* 64. *Pers. Flor. dan. t.* 1249. *A. rubellus et carneus Schaeff. t.* 303. 304.

γ. amethysteus, pileo violaceo s. amethysteo, siccando versicolore canescente. *Fr. l. l. A. amethysteus Huds. Bull. t.* 198. *Sowerb. t.* 187. *Flor. dan. t.* 1250. *Pers.*

Ad terram pinguem nemorum passim. Aestate.

g. hygrocybi, arcomatibus succulentis, subfragilibus, pileis carnosulis, dein convexo-expansis, humidis viscosis diaphanis, stipite cavo glabro. Fr. l. l.

3446. *A. miniatus Fr.*, pileo convexo sicco, demum umbilicato stipiteque subfarcto aequali tereti miniatis, lamellis adnatis distinctis lutescentibus. — *Fr. syst. I.* 105. *A. glutinosus Flor. dan. t.* 1099. *f.* 2. *A. flammeus Scop.*

In locis paludosis passim, Auctumno.

3447. *A. coccineus Pers.*, pileo convexo expanso viscoso, dein sicco depresso palliato, lamellis adnatis dente decurrente connexis versicoloribus, stipite compresso coccineo. — *Fr. l. l. Pers. syn.* 334. *A. scarlatinus Bull. t.* 570. *f.* 2. *A. kermesinus Flor. dan. t.* 715. *A. fulcus Pers. obs. (var.) A. miniatus Scop.*

In pratis nemorensibus passim. Auctumno.

3448 *A. puniceus Fr.*, pileo campanulato obtuso lobato sarantio-coccineo, lamellis adfixis adcrescentibus flavis, stipite crasso ventricoso, basi albo. — *Fr. syst.* 104. *A. aurantio-crocatus Schum. A. rigidus Bolt. t.* 42. *A. aurantius Vahl fl. dan. t.* 833. *A. coccineus Bull. t.* 202. *pr. pr.*

In promontoriorum vallecnlis rarius. Auctumno.

3449. *A. conicus Schaeff.*, pileo conico acuto umbonato, dein expanso acute umbonato, lamellis adscendentibus confertis ventricosis attenuato-liberis, stipite cylindrico striato. — *Fr. syst. I.* 104. — Schaeff. t. 2.

Pers. syn. 335. *A. croceus Bull.* t. 50. 526. *A. aurantius Sow.* t. 381. *A. dentatus L.*

β. flavus, pileo flavo, citrino s. virenti-flavo. — *A. hyacinthus Batsch f.* 28. *Flor. dan.* t. 599.

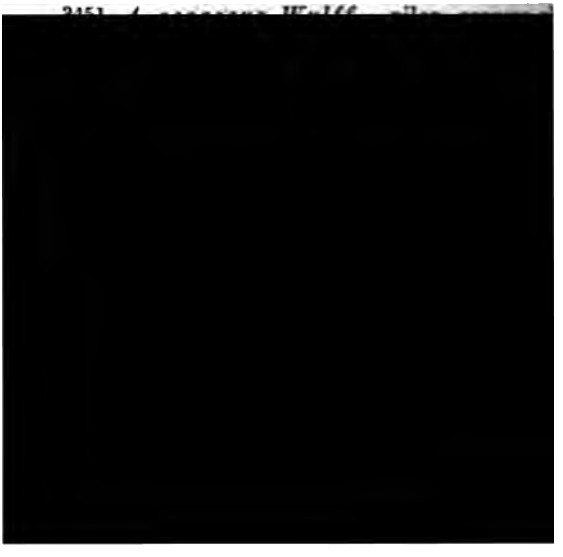
γ. tristis, pileo demum nigrescente. — *A. tristis Pers. obs. A. inamoenus Pers. syn. l. l.*

δ. aurantius, pileo aurantio s. coccineo. — *Flor. dan.* t. 1009. *f.* 2. *dextr. A. aurantius Lightf. Curt. Bolt.*

In pratis editioribus muscosis et versuris. Aestate.

3450. *A. phrygius W.*, pileo umbonato-depresso tenuiter viscido-pallide-fusco, dein rugis saturatioribus exarato, lamellis crassiusculis valde inaequalibus candidis exsuccis, stipite farcto aequali laevi elato stricto, basi cando striato.

In lucis umbrosis Thuringiae. Auctumno rarius solitarie. (*A. galericulati var. β. Fr. Schaeff.* t. 32. 7-9. habitu refert.)



b. camarophylli, pileis carnosis rigidis expansis non viscosis, lamellis utrinque attenuatis longe decurrentibus furcatis latis, saepius venoso-connexis, stipite firmo farcto. Fr. l. l.

3454. *A. virgineus Pers.*, ascomatibus candidis, pileo tenui humido convexo, dein umbilicato, lamellis decurrentibus venoso-connexis distantibus, stipite fistuloso tenui, deorsum attenuato. — *Pers. syn.* 456. *Fr. syst. l.* 100. *A. griseus Bull. t.* 188. *A. concerphalus Schum. A. niveus Scop. Schaeff. t.* 232.

In sylvis et pratis muscosis, ubertim. Edulis.

3455. *A. pratensis Pers.*, ascomatibus stipatis, pileo subcompacto convexo-expanso glabro, lamellis decurrentibus crassis, stipite farcto brevi, deorsum attenuato. — *Fr. syst. l.* 99. — *A. pratensis Pers. syn.* 304. *A. fulvus With. A. ficoides Bull. t.* 587. *A. miniatus Schaeff. t.* 313. (*pileo toto fulvo.*) — *A. vitulinus Pers. syn.* 305. (*luteus pileo rufescente, lamellis albis.*) *A. cinereiformis Schaeff. t.* 307.

β. ericeus, pileo tenuiore, margine striato. *Fr. l. l. A. turbinatus. Lacmus Schum. A. meisnericnsis Pers. A. ericetorum Bull. t.* 467. (*ceu var. ex colore flavente, cyaneo-rubescente, cinereo et albo.*)

In ericetis collinis minime raro. Auctumno.

3456. *A. nemoreus Pers.*, pileo compacto glabro fulvo-rubescente, lamellis decurrentibus albis, stipite solido longo, basi lanato. — *Pers. syn.* 305. *Fr. syst. l.* 99.

In nemoribus umbrosis Hercyn. infer. rarius. (*Pers.*)

i. dasyphylli, pileis carnosis siccis glabris, lamellis confertis angustis sublinearibus, utrinque aequaliter attenuatis, saepius longe decurrentibus s. acute adnatis, stipite farcto, in pileum diffuso. Fr. l. l.

† *heterocliti, ascomatibus variis caespitosis.*

3457. *A. oedematopus Schaeff.*, ascomatibus subcaespitosis, pileo conico pulverulento rufo, lamellis decurrentibus stipiteque solido rostrioso pulverulento

rufescentibus. — *Schaeff. t.* 259. *Fr. syst. I.* 96. *A. fo siformis Bull. t.* 76.

In nemoribus caeduis patruis rarissime. Vere.

3458. *A. adhaerens A. et Schw.*, ascomatib caespitosis adglutinatis, pileo inaequali lacunoso sord pallente, lamellis tenuissimis lineatim longe decurrenti albis, stipite cavo subradicato. — *Alb.* et *Schw.* n 187. *Fr. l. l.*

Ad caudices abietinos putres Lusatiae. (*A. et Schw*

3459. *A. amplus Pers.*, ascomatibus caespito pileo convexo glabro nigrescenti-fuligineo, lamell natis confertis aquoso-cinereis, stipite amplo glabro al — *Pers. syn.* 459. *Fr. l. l.*

In pinetis agri gotting. rarius. (*Persoon.*)

3460. *A. lignatilis Pers.*, ascomatibus caesp sis, pileo irregulari subexcentrico villosulo albo, l

stipite farcto aequali glabro concolore. — *Fr. l. l. A. rapidus Pers. myc.*

In nemoribus pinguioribus Thuring. passim.

3464. *A. odorus Bull.*, ascomatibus fragrantibus ex albo sordide virentibus, pileo laevi, lamellis adnato-decurrentibus subconfertis, stipite farcto inaequali glabro. — *Fr. syst. l. 90.* — *Bull. t. 176. 556. Humb. frib. 86. Pers. syn. 323. Flor. dan. t. 1611. A. aeruginosus Schum. var. pileo viridi, lam. albis.* — *A. anisatus Pers. et auct. (var. glauco-aeruginea.)*

In nemoribus umbrosis, quercetis et pinetis. Auct.

3465. *A. subalutaceus Batsch*, pileo laevi pallescente, lamellis adnatis subdistantibus albidis, stipite farcto elastico pallido. — *Batsch f. 194. Fr. syst. l. 90.*

In nemoribus caeduis Thuring. rarius. Auctumno.

3466. *A. cerinus Pers.*, pileo laevi opaco flavo-cerino, lamellis adnatis confertis stipiteque farcto brevi substriato laetius flaventibus. *Pers. syn. 321. Fr. l. l.*

β. vernicosus, pileo depresso splendente, lamellis stipiteque dilute flaventibus. *Fr. l. l. A. cerinus β. splendens Alb. et Schw. nisk. 169.*

In pinetis editioribus muscosis, rarius. Auctumno.

3467. *A. fumosus Pers.*, pileo glabro fuligineo-livido, lamellis adnatis confertis stipiteque farcto laevi sordide albis. — *Pers. syn. 348. Fr. l. l.*

In pinetis, betuletis et quercetis. Auctumno.

3468. *A. bufonius Pers.*, pileo obsolete umbonato rugoso stipiteque longo subtomentoso umbrinis subvirescentibus, lamellis pallide-alutaceis. — *Pers. syn. 359. Fr. l. l.*

In pinetis Hercyn. super. pr. Oderbrück. (*Persoon.*)

††† genuini, pileis compacto-carnosis convexis, dein applanatis, lamellis ad stipitem validum decurrentibus. Fr. l. l. Esculenti.

3469. *A. amarus Fr.*, ascomatibus compactis can-

didis, pileo planiusculo rimoso-rivuloso, disco rul
mellis leviter decurrentibus, stipite solido subtom
— *Fr. syst. I.* 87. *A. rivulosus β. A. et Schw.* I

In dumetis mixtis Lusatiae. (*Alb. et Schweinit*

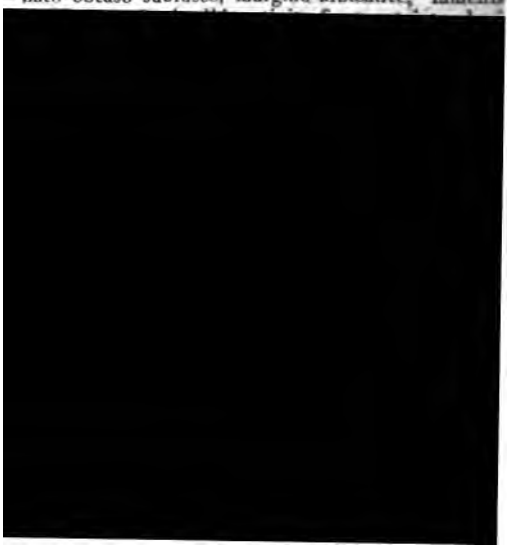
3470. *A. rivulosus Pers.*, ascomatibus con
pileo convexo-plano ex albido subrufescente, dem
moso-rivuloso, lamellis leviter decurrentibus e
stipiteque subtomentoso albidis. *Pers. syn.* 369. *I*

In pinetis Hercyn. super. pr. Clausthal. (*Pers*

3471. *A. fuscinus Fr.*, ascomatibus mi
pileo convexo laevi livido, lamellis leviter decurr
pallidis, stipite solido farinoso albo. — *Fr. syst*
A. nimbatus Batsch cont. 1. *f.* 65.

In pascuis montosis rarius. Auctumno.

3472. *A. Schumacheri Fr.*, pileo convexo
nato obtuso subfusco, margine albicante, lamellis



†††† *omphalarii, pileis junioribus concavo-deflexis, dein depressis s. infundibuliformibus, lamellis decurrentibus. Fr. l. l.*

3476. *A. splendens Pers.*, pileo plano-depresso glabro crustallino splendente, lamellis decurrentibus albis, stipite solido deorsum villoso. *Pers. syn.* 452. *Fr. syst. I.* 84.

In fagetis patruis rarius. Auctumno.

3477. *A. phyllophilus Pers.*, ascomatibus grenatis albis, pileo laevi umbilicato, dein infundibuliformi, lamellis subdecurrentibus, stipite cavo, basi incurvo villoso. — *Pers. syn.* 457. *Fr. syst. I.* 83.

Inter folia faginea putria, nec non pinea. Auctumno.

3478. *A. squamulosus Pers.*, pileo furfuraceo-squamuloso obtuso sordide-alutaceo, dein infundibuliformi, lamellis decurrentibus albis, stipite farcto subbulboso. — *Pers. syn.* 449. *Fr. syst. I.* 82.

In pinetis editioribus passim. Auctumno.

3479. *A. cervinus Hoffm.*, pileo infundibuliformi, obtuso laevi cervino, lamellis decurrentibus albis, stipite farcto basi tuberoso tomentoso. — *Fr. l. l. Pers. syn.* 451. *Nees syst. f.* 174. *Hoffm. nomencl.* 119. *t.* 2. *f.* 2.

In nemoribus montosis Hercyn. (*Hoffmann.*)

3480. *A. gibbus Pers.*, pileo umbonato glabro, demum infundibuliformi, lamellis decurrentibus candidis, stipite farcto elastico sursum attenuato. — *Pers. syn.* 449. *Fr. l. l., elench. I.* 12. *Alb. et Schw.* 217. *Flor. dan. t.* 1012. *A. maximus Fl. wett. A. giganteus auct. A. suavis Pers. myc.* — *Bull. t.* 573. *f.* 2. (*var. major.*)

In areis nemorensibus muscosis passim.

3481. *A. flaccidus Saw.*, pileo tenui infundibuliformi obtuso laevi flaccido, lamellis decurrentibus albidis, stipite farcto, basi incrassato villoso. — *Fr. syst. I.* 81. *Lamarck. t.* 185. *A. membranaceus Flor. dan. t.* 1012. *A. infundibuliformis Schaeff. t.* 212. *Bull. t.* 286. 553.

In pinetis et fagetis passim. Auctumno.

3482. *A. gilvus* **Pers.**, pileo convexo obtuso nudo, dein infundibuliformi laevi rigido, lamellis decurrentibus e pallido gilvis, stipite farcto subradicato, basi villoso. — *Pers. syn.* 448. *Fr. syst. I.* 80. *Flor. dan. t.* 1668. *A. cyathiformis Flor. dan. t.* 1011. *A. castaneus*, *sordido-flavus With. A. cinnamomeus Bolt. t.* 22. *A. subinsulsus Batsch cont. II. f.* 204. *A. inversus Scop.*

In similibus cum praeced. locis, vulgaris. Autumno.

3483. *A. giganteus* **Leyss.**, pileo amplissimo albido, dein infundibuliformi laevi s. obsolete squamuloso, lamellis decurrentibus confertis dein rufescentibus, stipite solido obeso. — *Fr. l. l. Leyss. hal.* 294. *A. maximus Wetterav. Alb. et Schw. nisk.* 215.

In dumetis frondosis patruis rarius. Autumno.

F. lactiflui, *ascomatibus majusculis firmis inculento-carnosis*, *pileis plano-depressis umbilicatis*, *lamellis inaequalibus variis*, *frangendo laticem albidum lacteum stillantibus*, *stipite nudo aequali*, *in pileum fi-*

3486. *A. pargamenus Sw.*, pileo planiusculo lento glabro albido, lamellis confertis, latice albo scatentibus, stipite farcto longiusculo saturatiore. — *Fr. l. l. A. urens Schum. A. piperatus Batsch cont. I. f. 59.*
In nemoribus frondosis passim. Autumno.

3487. *A. violascens Otto*, pileo glabro cinereo, zonis fuligineis picto, lamellis stipiteque solido albis, latice viola debili tincto scatentibus. — *Otto Ag. 34. Fr. l. l.*
In pinetis Saxoniae. (*Otto.*) (Dulcis est.)

3488. *A. flexuosus Pers.*, pileo repando compacto sicco glabro, lamellis distantibus pallidis, latice albo scatentibus, stipite solido brevi. — *Fr. obs. I. 48., syst. l. l. A. umbrinus Pers. syn. 435. A. Personii Otto. A. azonites Bull. t. 559. — A. zonarius Bull. t. 104. A. flexuosus Pers. 430. (var. pileo incarnato-vitellino.)*
In pinetis juxta semitas haud raro. Aestate.

3489. *A. pyrogalus Bull.*, pileo sicco glabro subzonato livido, lamellis distantibus flavis, latice acerrimo scatentibus, stipite cavo cinerascente. — *Fr. l. l. Pers. syn. 436. Bull. t. 529. f. 1. A. rusticanus Scop.*
In nemoribus et pratis pinguioribus, rarius. Auct.

†† *subdulces, pileis siccis, margine nudis, lamellis confertis, junioribus albidis, dein lutescentibus v. rufescentibus.* (*A. galorrhei rusulares Fr.*)

3490. *A. fuliginosus Fr.*, pileo azono sicco umbrino, fuligine fusca conspersa, lamellis dein ochraceis, latice albo-crocato scatentibus, stipite fragili laevi fuligineo, intus albo. — *Fr. syst. I. 73. A. plinthogalus Otto. A. azonites Bull. t. 567.*
In nemoribus umbrosis nec non in pinetis rarius.

3491. *A. plumbeus Bull.*, pileo sicco azono nigrofusco fuligineo e convexo-depresso perlato, lamellis lutescentibus, latice albo scatentibus. — *Fr. l. l. Pers. syn. 435. Bull. t. 435. A. nigrescens Pers. l. l.*
In pinetis Hercyn. super. v. c. passim. Autumno.

stipite farcto aequali glabro concolore. — *Fr. l. l. A. sapidus Pers. myc.*

In nemoribus pinguioribus Thuring. passim.

3464. *A. odorus Bull.*, ascomatibus fragrantibus ex albo sordide virentibus, pileo laevi, lamellis adnato-decurrentibus subconfertis, stipite farcto inaequali glabro. — *Fr. syst. I.* 90. — *Bull. t.* 176. 556. *Humb. frib.* 86. *Pers. syn.* 323. *Flor. dan. t.* 1611. *A. aerugineus Schum. (var. pileo viridi, lam. albis. — A. anisatus Pers. et auct. (var. glauco-aeruginea.)*

In nemoribus umbrosis, quercetis et pinetis. Auct.

3465. *A. subalutaceus Batsch*, pileo laevi pallescente, lamellis adnatis subdistantibus albidis, stipite farcto elastico pallido. — *Batsch f.* 194. *Fr. syst. I.* 90.

In nemoribus caeduis Thuring. rarius. Auctumno.

3466. *A. cerinus Pers.*, pileo laevi opaco flavo-cerino, lamellis adnatis confertis stipiteque farcto brevi substriato laetius flaventibus. *Pers. syn.* 321. *Fr. l. l. β. vernicosus*, pileo depresso splendente, lamellis stipiteque dilute flaventibus. *Fr. l. l. A. cerinus β. splendens Alb. et Schw. nisk.* 169.

In pinetis editioribus muscosis, rarius. Auctumno.

3467. *A. fumosus Pers.*, pileo glabro fuligineo-livido, lamellis adnatis confertis stipiteque farcto laevi sordide albis. — *Pers. syn.* 348. *Fr. l. l.*

In pinetis, betuletis et quercetis. Auctumno.

3468. *A. bufonius Pers.*, pileo obsolete umbonato rugoso stipiteque longo subtomentoso umbrinis subnigrescentibus, lamellis pallide-alutaceis. — *Pers. syn.* 359. *Fr. l. l.*

In pinetis Hercyn. super. pr. Oderbrück. (*Persoon.*)

††† *genuini, pileis compacto-carnosis convexis, dein explanatis, lamellis ad stipitem validum decurrentibus. Fr. l. l. Esculenti.*

3469. *A. amarus Fr.*, ascomatibus compactis can-

stillantibus, stipite cavo longo. — *Fr. l. l. A. testaceus* β. *Pers. syn. A. serotinus Otto.*
In nemoribus patruis aeque ac pinetis passim.

2499. *A. volemus Fr.*, pileo obtuso sicco laevi magno nitido fulvo pallente, lamellis albo-lutescentibus, fractis sordide fuscescentibus, stipite solido obeso. — *Fr. l. l. A. testaceus A. et Schw.* 209. *A. ruber Trattin.*
In similibus cum praeced. locis. Autumno.

†††† *deliciosi, pileis glabris, viscosis, margine nudis. Fr. l. l. (A. galorrhei limosini Fr.)*

2500. *A. aurantiacus Fr.*, pileo subviscoso azono aurantiaco, lamellis confertis latescentibus angustis, latere albo scatentibus, stipite elongato laevi. — *Fr. syst. I. 68. A. rufus Schum. A. testacei v. aurant. Pers. l. l. A. hybridus Scop.*
In nemoribus muscosis passim. Autumno.

2501. *A. deliciosus L.*, pileo viscoso obsolete zonato aurantio-expalleute, lamellis latiusculis aurantiacis, fractis viventibus, stipite cavo glabro scrobiculato. — *Fr. l. l. Schaeff. t. 11. Flor. dan. t. 1131. A. vinarius Bolt. t. 141.*
In pinetis satis vulgaris. Autumno.

2502. *A. pallidus Pers.*, pileo viscoso laevi azono subpiteoso luteo cavo firmo pallido, lamellis latiusculis albidis. — *Pers. syn. 431. Fr. l. l.*
In fagetis haud quidem rarus.

2503. *A. blennius Fr.*, pileo viscoso subguttato azono virescente, lamellis latiusculis albis. — *Fr. l. l. A. cretipes et affinis Schum. A. sylophilus* β. *viscosus Pers. syn. 428. A. viridis Schrad. spic. 123.*
In fagetis patruis passim. Autumno ado.

2504. *A. vietus Fr.*, pileo tenui laevi subviscoso azono livido expalleute, lamellis latiusculis albidis, stipite subcavo fragili. — *Fr. syst. I. 66.*
In locis umbrosis Thuring. passim. Autumno.

2505. *A. uvidus Fr.*, pileo viscoso azono luteo-

nato-livido s. fuscescente, lamellis albis, latice al
lacino scatentibus, stipite fragili aequali cavo. — F
A. livido-rubescens Batsch.

In nemoribus udis rarius. Auctumno.

3506. *A. acris Bolt.*, pileo viscoso azono cin
fuligineo, lamellis flavis, latice albo-rubente ac
scatentibus, stipite farcto brevi pallido. — *Fr. l. l.*
syn. 437. *Bolt. t.* 60. *A. deliciosi var. Batsch* ic
f. 68. *A. pudibundus Scop.*

In nemoribus caeduis frequens. Auctumno.

3507. *A. luridus Pers.*, pileo viscoso zona
rido planiusculo, lamellis albis, latice primum con
mox rubescente scatentibus, stipite cavo pallido. —
syn. 436. *Fr. l. l. A. zonarius With. A. fuscus Schaeff.* t

In ericetis graminosis editioribus. Auctumno.

♀††† *torminosi*, *pileorum margine involuto t*
tosa. — Acres, venenati.

lamellis basi furcatis laticeque albis, stipite cavo laevi. — *Fr. l. l. Pers. syn.* 430. *Flor. dan. t.* 1068. *Schaeff. t.* 12. *A. necator Bull. t.* 529. *A. pseudonymus Schrank.*

In ericetis et betuletis vulgaris. Auctumno.

3512. *A. scrobiculatus Scop.*, pileo perlato adglutinato-villoso viscoso azono flavo, dein rigido, margine barbato, lamellis albis, primum latice concolore, dein sulfureo scatentibus, stipite cavo maculato. *Fr. l. l. Schaeff. t.* 227. 228. *A. crinitus ejusd. A. terminosus Vill. A. luteus Alb. et Schw. nisk.* 208. *A. intermedius Fr. obs. A. faveolaris Otto.*

In pinetis muscosis roridis passim. Auctumno.

3513. *A. controversus Pers.*, pileo planiusculo albo villoso, maculis zonisque sanguineis variegato, margine tomentoso, lamellis tenuibus confertis pallidis s. incarnatis, stipite solido. — *Pers. syn.* 420. *Fr. l. l. A. sanguineus Batsch cont. II. f.* 201. *A. acris Bull. t.* 538.

In fagetis Hercyn. inferior. rarius. Auctumno.

G. integri, ascomatibus majusculis stipatis, pileis junioribus campanulatis, dein hemisphaericis, mox planis centroque depressis nudis glabris, lamellis exsuccis crassiusculis inaequalibus saepiusque furcatis cum pileo satis regularibus, albis s. pallentibus, stipite aequali laevi utplurimum glabro, intus spongioso. (Agar. trib. VI. Russula Fr. Pers. Nees. A. integri L.)

3514. *A. adustus Pers.*, pileo depresso cinereo s. olivaceo, dein sub dio exarescente versicolore veluti adusto-nigrescente, margine laevi, lamellis inaequalibus latissimis crassis subfurcatis distantibus albis sensim cinerascentibus, stipite solido obeso. — *Pers. syn.* 459. *Fr. syst. I.* 60. *A. nigricans Bull. t.* 212. 370. *Ditmar. l. l. t.* 26. (*decrepitus.*)

In nemoribus nostris abundat diuque post vitam superstes, exaridus, rigens et veluti adustus ater oculos allicit aliosque fungos (Myriothecium inundatum v. c. et Asterophoram agaricoiden) nutrit. Aestate.

3515. *A. furcatus Pers.*, pileo planius infundibuliformi viridulo, margine laevi, lamel candidis. — *Pers. syn.* 446. *Fr. l. l.*

β. heterophyllus, pileo plano-depresso, da ruguloso, lamellis furcatis dimidiatisque candidi tibus, opere venoso connexis. — *Fr. l. l. Pers. Alb. et Schw. Bull. t.* 509. *(ceu var. pi — A. virescens Pers. A. aeruginosus Schum. sordide virescente.) — A. lividus Pers. A Batsch f.* 67. *(var. pileo livido.)*

In nemoribus caeduis ubertim. Auctumno.

3516. *A. foetens Pers.*, pileo conve viscoso flavo olido, margine tuberculato sulcat connexis stipiteque cavo albis. — *Pers. syn l. l. A. fastidiosus Pers. olim. A. piperatus B*

In nemoribus umbrosis vulgaris. Aestate.

3517. *A. ruber DC.*, pileo rosco-sanguine margine laevi, lamellis furcatis candidis, con

3521. *A. emeticus Schaeff.*, pileo compacto, juniore campanulato, e flavo-alboque rubescente, dein deplanato magno azonim exalbicante margineque sulcato, lamellis latis subaequalibus candidis — *Fr. l. l.* — *A. emeticus Schaff. t.* 15. *Flor. dan. t.* 1009. *A. sanguineus Batsch f.* 13. *Pers. syn.* 445. (*var. pileo rufo, rubro, sanguineo.*) — *A. cyanoxanthus Schaeff. t.* 92. *Pers. l. l.* (*var. pileo livido, carnico, coeruleo.*) — *A. viscosus Schaeff. t.* 94. *A. luridus Pers.* (*var. pileo viridi, olivaceo, fusco.*) — *A. ochroleucus Pers. A. Georgii L. Bull. t.* 509. (*var. pileo flavo.*)

In nemoribus patriis ubertim. Auctumno.

3522. *A. nitidus Pers.*, pileo tenui depresso-planiusculo e rufo-purpurascente, margine sulcato, lamellis latis subdistantibus aequalibus flavis, stipite facto albo-flavente. — *Fr. syst. l.* 55. *A. nitidus et purpureofuligineus Pers. A. purpureus Schaeff. t.* 254. (*var. pileo purpurascente, rufo.*) *A. nauseosus Pers.* (*var. pileo subolivaceo.*) — *A. vitellinus Pers. A. rivigalinus Batsch* (*var. pileo luteo, subincarnato.*)

In nemoribus cardui minime raro. Auctumno.

3523. *A. luteus Huds.*, pileo plano-depresso subolivaceo flavo, margine laevi, lamellis angustis confertis aequalibus vitellinis, stipite cavo albo. — *Fr. l. l. Pers. syn.* 442. *A. leucothejus Fr. obs. A. inanis Scop.*

In fagetis passim. Aestate exeunte.

3524. *A. alutaceus Pers.*, pileo subcompacto viscidulo versicolore, margine demum subtuberculato sulcato, lamellis latis aequalibus confertis albidis. *Fr. l. l.* — *A. campanulatus et alutaceus Pers. syn.* 440. *Schaeff. t.* 16. *f.* 6. *Bull. t.* 509. (*var. pileo rubro.* — *A. griseus Pers.* (*var. griseo-purpurascente.*) — *A. coeruleus Pers.* (*pileo coeruleo.*) — *A. olivaceus Schaeff. t.* 201. *Pers. l. l.* (*var. pileo olivaceo.*) — *A. subraceus Pers.* (*var. pileo vitellino.*)

In nemoribus cardui minime raro. Auctumno.

3525. *A. caseosus W.*, pileo compacto carnoso albo, tegmine caseoso dein dispanso-arcolato gryseo-viridulo tecto, demum plano-depresso, margine plano estriato saepius radiatim fisso, lamellis latis crassissimis corinosis pallentibus, aliis simplicibus, aliis sinuoso-furcatis daedaleiformibus.

In betuletis agri northus. Auctumno.

H. tricholomatici, ascomatibus majoribus, pileis carnosis compactis hemisphaericis, dein explanatis, lamellis exsuccis inaequalibus, velo fugacissimo fibrilloso s. floccoso. (*Agar. trib. V. Tricholoma Fr.*)

† *personati, pileis siccis glaberrimis, margine tenui inflexo flocculoso-pruinosis Fr.*

3526. *A. albus Schaeff.*, pileo aequali glabro albo immaculato, lamellis rotundatis confertis, stipite farcto elastico glabro. — *Fr. syst. I. 53. Schaeff. t. 256.*

In quercetis lutosis rarius. Auctumno.

nato-livido s. fuscescente, lamellis albis, latice albo-lilacino scatentibus, stipite fragili aequali cavo. — *Fr. l. l. A. livido-rubescens Batsch.*
In nemoribus udis rarius. Auctumno.

3506. *A. acris Bolt.*, pileo viscoso azono cinereo-fuligineo, lamellis flavis, latice albo-rubente acerrimo scatentibus, stipite farcto brevi pallido. — *Fr. l. l. Pers. syn.* 437. *Bolt. t.* 60. *A. deliciosi var. Batsch cont. I. f.* 68. *A. pudibundus Scop.*
In nemoribus caeduis frequens. Auctumno.

3507. *A. luridus Pers.*, pileo viscoso zonato lurido planiusculo, lamellis albis, latice primum concolore, mox rubescente scatentibus, stipite cavo pallido. — *Pers. syn.* 436. *Fr. ll. A. zonarius With. A. fuscus Schaeff. t.* 235.
In ericetis graminosis editioribus. Auctumno.

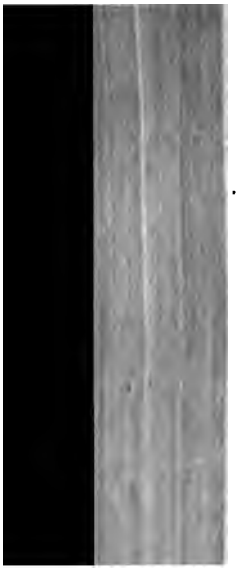
†††† *torminosi, pileorum margine involuto tomentoso.* — Acres, venenati.

3508. *A. Necator Bull.*, pileo glabro zonato olivaceo-umbrino plano-disciformi, margine villoso, lamellis ex albo lutescentibus, stipite farcto brevi. — *Fr. l. l. Pers. syn.* 435. *Bull. t.* 14. *A. plumbeus Schum.*
In nemoribus caeduis passim. Auctumno.

3509. *A. crampylus Otto*, pileo viscoso subazonato rugoso-tomentoso fuligineo-rubro, lamellis flavis, stipite solido cinereo. — *Otto Agar.* 53. *Fr. syst. I.* 63.
In pinetis Saxoniae. *(Otto.)*

3510. *A. cilicioides Fr.*, pileo tomentoso sordide incarnato, lamellis flavescentibus, stipite subcavo. — *Fr. l. l. A. tomentosus Otto l. l.*
In iisdem cum praec. locis.

3511. *A. torminosus Schaeff.*, pileo carnoso, primum umbilicato-depresso umbonato tegmine delicato stupposo stipato lateritio-rubente, ad marginem reversum obtusissimum in stuppam tortuosam albidam soluto tecto, dein deplanato dispanso-vittato undique recutito, lana



squamoso, lamellis cinnamomeis e
obeso glabro. — *Fr. l. l. A. albi*
synonym. A. leucocephalus Bull. t

In campis arenosis inter grami

3538. *A. Myomyces Per.*
olido firmo subsquamuloso fusco-l
ginatis subdistantibus albidis, stip
A. saponaceus Fr. in Schlechtd.
syst. l. 44. *Pers. syn.* 315. *A. fu*
dreporeus Batsch cont. 2. *f.* 20
frumentaceus Bull. t. 371. *A. atr*
pileo atro-virente.)

In fagetis et pinetis minime ra
lamellis luteis *(t. albo-umbrinus Sc*
t. 40. *Pers. syn.* 321.)

3539. *A. terreus Schaeff*
e conico expanso acute umbonatu
moso, lamellis adnexis confertis,
— *Fr. in Schlechtd. Linn. l. l*
Lasch. — Schaeff. t. 64. *A. arg*

In nemoribus caeduis rarius.

3540. *A. vaccinus Schae*
rufo, epidermide in squamas pilos
mentoso, lamellis adhaxis albido-ru

Pers. syn. 329. *Schaeff. t.* 219. *A. variegatus Schum. A. serrumpelinus Sowerb. t.* 31.

In sylvis caeduis ad truncos rarius. Auctumno.

2542. *A. flavo-virens Pers.*, pileo obtuse compacto flexuoso subsquamoso flavo-rufescente, lamellis emarginatis confertis stipiteque solido squamuloso sulfureis. — *Pers. syn.* 319. *Fr. l. l. A. aureus Schaeff. t.* 41. *A. equestris L.*

In pinetis siccis arenosis rarius. Auctumno.

2543. *A. luteo-virens A. et Schw.*, pileo compacto flexuoso pulverulento lutescenti-viridi, lamellis rotundatis pallidis, stipite solido brevi squamuloso albo. — *Fr. syst. I.* 41. *Alb. et Schw. misk.* 168.

In pinetis siccis Lusatiae super. (*Alb. et Schw.*)

†††† *viscidi, pileis carnosis obtusis, humidis viscosis, margine involuto pubescentibus, stipite vestito, a pileo subdiscreto. Fr. l. l.*

2544. *A. luridus Schaeff.*, pileo flexuoso glabro e viridi-subfuscreo, lamellis emarginatis angustis lutescentibus, stipite solido squamuloso pallescente. — *Pers. syn.* 331. *Fr. syst. I.* 40. *Schaeff. t.* 69.

In pinetis nemoribusque mixtis passim. Auctumno.

2545. *A. granulatus Schaeff.*, pileo granulato-squamoso cinereo-livido, disco umbrino, lamellis adnatis distantibus lacteis, stipite farcto aequali fibrilloso. — *A. mollulatus Fr. syst. I.* 39. *A. granulatus Schaeff. t.* 21.

In quercetis patriis satis raro. Auctumno.

2546. *A. praecinus Schaeff.*, pileo squamoso viscido luteo-viridi, lamellis liberis luteis, stipite solido aequo tuberoso. — *Fr. syst. I.* 36. *Schaeff. t.* 218.

In pratis muscosis rarius. Aestate.

2547. *A. aurantius Schaeff.*, pileo squamoloso viscoso flavo-aurantio, lamellis adnexis candidis, stipite solido aurantio-squamoso. — *Schaeff. t.* 37. *Pers. syn.* 292. *Fr. l. l.*

In pinetis muscosis, auctumno sero rarius.

3521. *A. emeticus Schaeff.*, pileo compacto, juniore campanulato, e flavo-alboque rubescente, dein deplanato magno sensim exalbicante margineque sulcato, lamellis latis subaequalibus candidis — *Fr. l. l.* — *A. emeticus Schaeff. t.* 15. *Flor. dan. t.* 1009. *A. sanguineus Batsch f.* 13. *Pers. syn.* 445. (*var. pileo roseo, rubro, sanguineo.*) — *A. cyanoxanthus Schaeff. t.* 93. *Pers. l. l.* (*var. pileo livido, caesios. coeruleo.*) — *A. virescens Schaeff. t.* 91. *A. luridus Pers.* (*var. pileo viridi, olivaceo, fusco.*) — *A. ochroleucus Pers. A. Georgii L. Bull. t.* 509. (*var. pileo flavo.*)

In nemoribus patruis ubertim. Auctumno.

3522. *A. nitidus Pers.*, pileo tenui depresso-planiusculo e rufo-purpurascente, margine sulcato, lamellis latis subdistantibus aequalibus flavis, stipite farcto albo-flavente. — *Fr. syst. l.* 55. *A. nitidus et purpureo-fuligineus Pers. A. purpureus Schaeff. t.* 254. (*var. pileo purpurascente, rufo.*) *A. nauseosus Pers.* (*var. pileo subolivaceo.*) — *A. vitellinus Pers. A. risigallinus Batsch* (*var. pileo luteo, subincarnato.*)

In nemoribus caeduis minime raro. Auctumno.

3523. *A. luteus Huds.*, pileo plano-depresso subviscoso flavo, margine laevi, lamellis angustis confertis aequalibus vitellinis, stipite cavo albo. — *Fr. l. l. Pers. syn.* 442. *A. leucothejus Fr. obs. A. inanis Scop.*

In fagetis passim. Aestate exeunte.

3524. *A. alutaceus Pers.*, pileo subcompacto viscidulo versicolore, margine demum subtuberculato sulcato, lamellis latis aequalibus confertis alutaceis. *Fr. l. l.* — *A. campanulatus et alutaceus Pers. syn.* 440. *Schaeff. t.* 16. *f.* 6. *Bull. t.* 509. (*var. pileo rubro.* — *A. griseus Pers.* (*var. grysco-purpurascente.*) — *A. coeruleus Pers.* (*pileo coeruleo.*) — *A. olivaceus Schaeff. t.* 204. *Pers. l. l.* (*var. pileo olivaceo.*) — *A. ochraceus Pers.* (*var. pileo vitellino.*)

In nemoribus caeduis minime raro. Auctumno.

solido fusco-maculato. — *Fr. l. l. A. striatus Schum. A. limacinus Schaeff. t.* 312. *Pers. myc.; var. β. A. et Schw.*
In pinetis ventosis rarius. Auctumno incunte.

3554. *A. tephroleucus Pers.*, pileo subcarnoso convexo-plano squamuloso livido subcinereo, lamellis planis subdecurrentibus distinctis niveis, stipite longo solido albo tenui nigro-squamoso. — *Pers. syn.* 351. *Fr. l. l. A. disagr Batsch cont. II.* 196.
In pinetis umbrosis Hercyn. super. (*Persoon.*)

3555. *A. pustulatus Pers.*, pileo carnoso subflexuoso viscoso cinereo-livido, papillis discoideis albidis obsito, stipite tenui albo squamuloso. — *Pers. syn.* 354. *cum var. β. γ. Fr. syst. I.* 34. *A. agathosmus Fr. obs.*
In pinetis hercynicis minime raro. Auctumno.

3556. *A. purpurascens A. et Schw.*, pileo subcarneo squamuloso albo, disco purpurascente, margine primum involuto villoso, stipite squamuloso aequali. — *Alb. et Schw. nisk.* 182. *Fr. syst. I.* 34.
In pinetis Lusatiae super. (*Alb. et Schweinitz.*)

3557. *A. discoideus Pers.*, pileo laevi albo-flavente discoideo, lamellis tenuibus, stipite farcto albo-squamuloso. — *Pers. syn.* 365. *Fr. l. l.*
In campis abietinis editioribus. (*Persoon.*)

3558. *A. eburneus Bull.*, pileo candido laevi nitido, lamellis latis distantibus, stipite farcto albo-squamuloso. *Fr. l. l.* — *Bull. t.* 118. 551. *Pers. syn.* 364. *A. virgineus Batsch f.* 12. *A. niteus Sowerb. t.* 71. *A. laetus Schaeff. t.* 29. — *A. discoxanthus Fr. obs. A. elongatus Schum.* (*var. disco flavente, stipite longo.*)
In nemoribus frondosis et acerosis passim.

3559. *A. erubescens Fr.*, pileo laevi albo-rubescente, margine involuto tomentoso, lamellis strictis, stipite sursum incrassato squamuloso. — *Fr. l. l. A. rubescens Pers. syn.* 366.
In fagetis nemoribusque graminosis passim.

emarginatis stipiteque solido tomentoso candidis. — *Pers. syn.* 348. *Fr. l. l.*

Ad truncos quercinos Hercyn. inferior. passim.

3531. *A. molybdinus Fr.*, ascomatibus subcaespitosis maximis, pileo subumbonato glabro fusco-aeneo, lamellis rotundatis latissimis stipiteque solido, apice squamoso gryseo-pallidis. — *Fr. syst. I.* 49. *A. molybdocephalus Bull.* t. 523. *A. aeneus Pers. syn.* 302.

In pinetis agri halens. (*Sprengel.*)

†† *spurii, pileis siccis laevibus glabriusculis, saepe virgatis s. fibrillosis, margine nudis, stipite solido glabro striato. Fr. l. l.*

3532. *A. multicolor Pers.*, pileo plano-convexo laevi fuligineo-cinereo, lamellis rotundatis pallidis, stipite solido subbulboso candido. — *Pers. syn.* 350. *Fr. l. l.*

In nemoribus Hercyn. inferior. (*Persoon.*)

3533. *A. tumidus Pers.*, pileo obtuso laevi sicco cinereo, lamellis emarginatis latis stipiteque solido tumido striato candidis. — *Pers. et Fr. l. l.*

In nemoribus arenosis rarissime.

3534. *A. virgatus Fr.*, pileo umbonato sicco gryseo nigro-virgato, lamellis emarginatis latis canis, stipite solido striato albido. — *Fr. l. l. A. Friesii Jungh. A. atro-cinerei var. Alb. et Schw. nisk.* 175.

In ericetis sabulosis rarius. Auctumno.

3535. *A. leucoxanthus Pers.*, pileo subumbonato sicco amoene flavo, pilis nigris virgato, lamellis emarginatis latis stipiteque solido candidis. — *Pers. syn.* 349. *A. sejunctus Fr. syst. I.* 47. *A. candidus Schaeff. t.* 225.

In ericetis siccis arenosis. Auctumno.

3536. *A. graveolens Pers.*, pileo crasso subhemisphaerico glabro fuligineo-cinereo, lamellis emarginatis confertis sordide albis, stipite solido rivuloso. — *Pers. syn.* 361. *Fr. syst. I.* 45.

In promontoriis graminosis rarius. Auctumno.

vesco glabro obscure nebuloso, lamellis distantibus arcuatis adnato-decurrentibus, stipite aequali solido albo-luteascente inflato tomentoso. — *Jungh. in Schidl. Linn.* 1838. *p.* 395. *t. VI. f.* 1.

In pinetis Hercyn. inferior. (*Junghuhn.*)

3566. *A. guttatus Pers.*, pileo sicco compacto glabro, lamellis liberis pallidis, stipite elongato subbulboso, annulo supero guttato. — *Fr. l. l. Pers.* 265.

In pinetis montosis Hercyn. (*Persoon.*)

3567. *A. robustus A. et Schw.*, pileo hemisphaerico rubro-badio; margine fibrilloso, lamellis liberis albo-pallentibus, stipite carne fibrilloso sursum lacerato, annulo floccoso. — *Alb. et Schw. nisk.* 147. *Fr. l. l.*

In pinetis ruridis Lusatiae super. (*A. et Schw.*)

E. *lepiotae, pileis carnosis, juvenilibus ovatis, mox campanulatis, dein expansis umbonatis, epidermide e velo formata tectis, lamellis inaequalibus confertis, stipite cavo, intus flaveseu, velo universali simplici, cum epidermide pilei contigno, rupto dein annulum inferum, nonnisi fugaceu relinquente.* (*Ag. trib. II. Lepiota Fr. Pers.*)

3568. *A. vomentaceus Bull.*, pileo albido, disco squamulisque nigrescentibus, lamellis subadnexis, stipite farcto aequali, infra annulum erectum squamuloso. — *Fr. syst. l.* 23. *Bull. t.* 595. *A. ambiguus Lasch.*

In promontoriis graminosis Thuring. rarius.

3569. *A. granulosus Pers.*, pileo furfuraceo-granuloso luteascente, lamellis adnexis, stipite subcavo, infra annulum patulum squamoso. *Fr. syst. l.* 24. — *A. fimbriatus Schum. A. spinulosus Lenm. A. muricatus Flor. dan. t.* 1015. *A. croceus Bull. A. flavo-floccosus Batsch f.* 97. *A. ochraceus Bull. t.* 262. 340. (*var. pileo luteo*) ; — *Batsch f.* 24. (*var. pileo ferrugineo.*) — *A. Carcharias Pers. A. albo-marginatus Schum.* (*var. pileo incarnato.*)

In pinetis arvestique vulgaris. Autumno.

3570. *A. mesomorphus Bull.*, pileo sicco laevi,

Pers. syn. 320. *Schaeff. t.* 219. *A. variegatus Schum. A. scrampelinus Sowerb. t.* 31.
In sylvis caeduis ad truncos rarius. Auctumno.

3542. *A. flavo-virens Pers.*, pileo obtuso compacto flexuoso subsquamoso flavo-rufescente, lamellis emarginatis confertis stipiteque solido squamuloso sulfureis. — *Pers. syn.* 319. *Fr. l. l. A. aureus Schaeff. t.* 41. *A. equestris L.*
In pinetis siccis arenosis rarius. Auctumno.

3543. *A. luteo-virens A. et Schw.*, pileo compacto flexuoso pulverulento lutescenti-viridi, lamellis rotundatis pallidis, stipite solido brevi squamuloso albo. — *Fr. syst. I.* 41. *Alb. et Schw. nisk.* 168.
In pinetis siccis Lusatiae super. (*Alb. et Schw.*)

†††† *visciduli, pileis carnosis obtusis, humidis viscosis, margine involuto pubescentibus, stipite vestito, a pileo subdiscreto. Fr. l. l.*

3544. *A. luridus Schaeff.*, pileo flexuoso glabro e viridi-subcinereo, lamellis emarginatis angustis lutescentibus, stipite solido squamuloso pallescente. — *Pers. syn.* 321. *Fr. syst. I.* 40. *Schaeff. t.* 69.
In pinetis nemoribusque mixtis passim. Auctumno.

3545. *A. granulatus Schaeff.*, pileo granulato-squamoso cinereo-livido, disco umbrino, lamellis adfixis distantibus lacteis, stipite farcto aequali fibrilloso. — *A. miculatus Fr. syst. I.* 39. *A. granulatus Schaeff. t.* 21.
In quercetis patruis satis raro. Auctumno.

3546. *A. prasinus Schaeff.*, pileo squamoso viscido luteo-viridi, lamellis liberis luteis, stipite solido crasso tuberoso. — *Fr. syst. I.* 36. *Schaeff. t.* 218.
In pratis muscosis rarius. Aestate.

3547. *A. aurantius Schaeff.*, pileo squamuloso viscoso flavo-aurantio, lamellis adnexis candidis, stipite solido aurantio-squamoso. — *Schaeff. t.* 37. *Pers. syn.* 292. *Fr. l. l.*
In pinetis muscosis, auctumno sero rarius.

3548. *A. Russula Sch*
viscoso granulato stipiteque so
muloso roseis, lamellis sublibe
A. Russula Schaeff. t. 58. *P*
brevi.) *A. roseus Schaeff. t.* 7

In nemoribus caeduis rariu

3549. *A. ustalis Fr.*,
rubro, lamellis emarginatis al
fibrilloso. — *Fr. syst. I.* 37.
nisk. 163. *A. permutatus Otto*

In betuletis et fagetis rari

3550. *A. fulvus Bull.*,
fulvo discoideo, lamellis adnexi
fibrilloso. — *Fr. syst. I.* 37.
brunneus Fr. obs. A. tricho
A. incertus Schaeff. t. 62.

In dumetis humidis passim

3551. *A. albo-brunneu*
scoso convexo-plano umbrino,
pite farcto glabro, apice squa
Fr. syst. I. 37. *A. striatus S*
sus Bull. t. 258. 539.

In pinetis umbrosis rarius.

I. limacini, pileis carn
loque tenui viscosis, lamellis a
firmo aequali squamuloso s. n
Limacium Fr.)

3552. *A. hypothejus F*
vido, glutine olivaceo oblinito
que submaculato flavis. — *Fr*
Pers. myc. A. vitellinus A. et

In pinetis vicinisque ericet

3553. *A. olivaceo-alb*
glabro olivaceo-fusco, lamellis

solido fusco-maculato. — *Fr. l. l. A. striatus Schum. A. limacinus Schaeff. t.* 312. *Pers. mye.*; *var. β. A. et Schw.*
In pinetis ventosis rarius. Auctumno ineunte.

3554. *A. tephroleucus Pers.*, pileo subcarnoso convexo-plano squamuloso livido subcinereo, lamellis planis subdecurrentibus distinctis niveis, stipite longo solido albo tenui nigro-squamoso. — *Pers. syn.* 351. *Fr. l. l. A. discors Batsch cont. II.* 196.
In pinetis umbrosis Hercyn. super. (*Persoon.*)

3555. *A. pustulatus Pers.*, pileo carnoso subflexuoso viscoso cinereo-livido, papillis discoideis albidis obsito, stipite tenui albo squamuloso. — *Pers. syn.* 354. *cum var. β. γ. Fr. syst. I.* 34. *A. agathosmus Fr. obs.*
In pinetis hercynicis minime raro. Auctumno.

3556. *A. purpurascens A. et Schw.*, pileo subsicco squamuloso albo, disco purpurascente, margine primum involuto villoso, stipite squamuloso aequali. — *Alb. et Schw. nisk.* 182. *Fr. syst. I.* 34.
In pinetis Lusatiae super. (*Alb. et Schweiniz.*)

3557. *A. discoideus Pers.*, pileo laevi albo-flavente discoideo, lamellis tenuibus, stipite farcto albo-squamuloso. — *Pers. syn.* 365. *Fr. l. l.*
In campis abietinis editioribus. (*Persoon.*)

3558. *A. eburneus Bull.*, pileo candido laevi nitido, lamellis latis distantibus, stipite farcto albo-squamuloso. *Fr. l. l.* — *Bull. t.* 118. 551. *Pers. syn.* 364. *A. virgineus Batsch f.* 12. *A. nitens Sowerb. t.* 71. *A. lacteus Schaeff. t.* 39. — *A. discoxanthus Fr. obs. A. elongatus Schum.* (*var. disco flavente, stipite longo.*)
In nemoribus frondosis et acerosis passim.

3559. *A. erubescens Fr.*, pileo laevi albo-rubescente, margine involuto tomentoso, lamellis strictis, stipite sursum incrassato squamuloso. — *Fr. l. l. A. rubescens Pers. syn.* 366.
In fagetis nemoribusque graminosis passim.

2585. *A. porphyrius Fr.*, pileo convexo nudo laevi purpureo-livescente, margine laevi, stipite subfistuloso aequali, annulo subconcolore, vulva ocreata. — *Fr. syst. I.* 14. *Amanita porphyria Alb. et Schw.* 142. *t.* 11. *f.* 1. *A. gracilis Schum.*

In pluetis udis muscosis rarius. Aestate.

2586. *A. phalloides Fr.*, pileo subaquamoso, margine laevi, stipite apice cavo, volvâ connata bulboso. — *Fr. syst. I.* 13. *A. bulbosus et verrucosus Bull. t.* 2. 377. *A. vernalis Bolt. t.* 48. — *Vaill. t.* 14. *f.* 5. — *A. bulbosus Schaeff. t.* 241. *Amanita Pers.* (pileo alba.) — *A. citrinus Schaeff. t.* 20. *Necs f.* 165. *A. Mappa Willd.* (pileo citrino.) *A. virescens Flor. dan. t.* 1246. (pileo pallide viridi.) *Vaill. bot. t.* 14. *f.* 5.

In nemoribus umbrosis passim. Aestate.

2587. *A. vernus Bull.*, pileo subaquamoso, primum acuto, dein depresso, margine laevi, stipite farcto subaequali, volva libere vaginato. — *Fr. l. l. Bull. t.* 108. *Amanita verna Pers. syn.* 250.

In nemoribus udis, Thuring. v. c. rarius. Vere et aest.

NB. Praeter has aliae complures restant Agaricorum species, sive dubiae omnino sive suspectae, denuo indagandae omnique loco, ut aliis inserantur, interim omissae.

2588. *A. laceratus Bolt.*, pileo subconico pallide flavo, margine lacero, lamellis latissimis trifidis basi angustatis, stipite fistuloso contorto. — *Pers. syn.* 336. *Bolt. t.* 68.

In pratis siccis Hercyn. (Persoon.)

2589. *A. surdarius Pers.*, ascomatibus subgregariis sordide albis, pileo carnoso compacto hemisphaerico convexo, margine subtomentosum primum laevigato, lamellis confertis angustis aqueoso-albidis, stipite subsolido fibrilloso. — *Pers. syn.* 370.

Ad truncos arborum domesticarum *(Persoon.)*

2590. *A. dilutus Pers.*, pileo convexo-glauco gla-

3580. *A. solitarius*
mis sparsis floccosis adspers
solido squamoso-bulboso, b
t. 48. 593. *Amanita nitida*
In dumetis pinguioribus

3581. *A. pantherinu*
olivaceo-fusco aequaliter ve
pite subfarcto aequali, volva
A. ruderatus Batsch. Ama
A. maculatus Schaeff. t. 90
In nemoribus umbrosis

3582. *A. muscarius L*
margine striato, e minio
verrucis albis tessellatis ads
pite subfarcto bulboso, sup
unginoso-viscoso. *Fr. l. l.*
pseudo-aurantius Bull. t.
Amanita muscaria Pers. A.
stipiteque rubentibus.) *Am.*
(iisdem partibus flavescenti
In betuletis macris ubiq

3583. *A. caesarcus*
misphaerico, dein umbonato,
teis, stipite farcto, volva la
207. *A. speciosus Gouan.*
Amanita aurantia et caesa
In nemoribus Germ. aus

3584. *A. vaginatus*
nulato, squamis latis memb
margine sulcato, lamellis alb
subnudo, volva vaginali ovi
Amanita livida et spadicea
Batsch f. 79. (pileo albido.)
85. 86. *Flor. dan. t. 1014.*
hyalinus Schaeff. t. 244. (
t. 245. (p. spadiceo.) — A.
In oris nemorum et pine

convexo viscoso dilute fulvo, lamellis distantibus longe decurrentibus, apicem versus flavicantibus, basi purpurascentibus, stipite longo subtenaci. — *Pers. syn.* 334. *Fr. syst. I.* 162.

In pratis montosis tempore pluvio. (*Persoon.*)

3598. *A. pyriformis Pers.*, ascomatibus parvis umbrinis, pileo subcarnoso-membranaceo plano cum lamellis decurrentibus obconico, stipite brevi crasso cavo. — *Pers. syn.* 317.

In collibus graminos. Herzyn. inf. pr. Osterode. (*Pers.*)

3599. *A. ellipticus Pers.*, pileo plano elliptico dilute cassio s. albido-cinereo, lamellis planiusculis subconfertis, primum subpurpurascentibus, dein cinnamomeis, stipite brevi nitido. — *Pers. syn.* 406. *A. alcuriticus Fr. syst. I.* 228.

Ad truncos putres rarius. (*Persoon.*)

3600. *A. depallens Pers.*, ascomatibus gregariis magnis, pileo opaco fuscescenti-rubris, disco sensim expallescente, lamellis crassiusculis distinctis albis. — *Pers. syn.* 448. *?Schaeff.* t. 112.

In nemoribus montosis rarius. (*Persoon.*)

3601. *A. coccinellus Ehrenb.*, ascomatibus carnosis fragilibus, pileo aurantio-coccineo subundulato, lamellis flavidis in pileum venas demittentibus inaequalibus, stipite tenui pellucido recta cuccinea. *Ehrb. sylv. n.* 62.

Ad versuras agri herolia. (*Ehrenberg.*)

Aliae insuper suspectae, nec dum in systema a *Friesio* illatum receptae, apud auctores patruos redeunt, nomibus tantum indicandae: apud *Humboldtium*: *Agaricus acephalus, acherontius, Batschii, cepaceus, Gleditschii, gottingensis*; apud *Hoffmannum*: *A. abbreviatus, albido-fuscus, elagenfurtensis, cochleariformis, contractus, explicatus, coralinus, flammeus, horizontalis, infundibuliformis, mitratus, nigro-villosus, setaceus*; apud *Persoonium*: *A. albidus, brevis, cirrhatus, coronarius, crispus, inflexus, praemorsus, suavis*; apud *Schaefferum*: *A. agrestis, aggregatus, alliatus, aureus, coeruleascens,*

bro helvolo, lamellis latiusculi
pite albicante. — *Pers. syn.* 3
ab Ag. felino vix diversus.
In nemoribus patruis passi

3591. *?A. atro-virens*
viridi, squamulis minutis scab
solido longo nigricante. — *Per*
In fagetis ad terram rariu

3592. *A. firmus Pers.*,
fescente-vaccino, lamellis conc
crassato furfuraceo-tomentoso
15. *t.* 5. *f.* 3., *syn.* 315.
In nemoribus patruis raris

3593. *A. leucocrocus*
vexo plano albido nitido subst
gustis dentatis dilute croceis,
sato concolore. — *Pers. syn.*
Ad truncos in nemor. patr

3594. *A. lacunosus Pe*
tuso expallescente ruguloso,
latiusculis cinereo-purpurascer
orsum squamuloso. — *Pers.*
Ad truncos nemorum patru

3595. *A. glandifer Pe*
nato-campanulato cinereo-livi
no-decurrentibus candidis, st
— *Pers. syn.* 352.
In pinetis Hercyn. super. r

3596. *A. luridus Pers.*
pileo carnoso subflexuoso glab
lamellis angustis lutescentibus,
loso pallescente. — *Pers. sy*
Schaefferi Fr.
In nemoribus udis rarius.

3597. *A. lactus Pers.*,

530. SCAPHOPHORUM EHRENB. *Nachenschwamm.*

Ascoma membranaceo-coriaceum dimidiatum s. subsessile, supra vellere septato albo, paginam inferiorem hymenio carnoso leucosporo obductam liratim transgrediente lirasque colliculoso-enerves parallelas, primum sulcatas tomentosas, ad latuscula replicata ascophoris, dein assurgendo connivantes hymeniumque explicantes inflexumve subtus obliteratum, i. e. subtus liris geminatis a centro polito radianti-flabellatibus, costam parallelam sulcatam, ad latuscula externa hymenio vestitam mentientibus exaratum.

(*Schizonia Pers. nyc. Scaphophorum Ehrenb. Schizophyllum Fr. Agarici sp. auct.*)

3503. *Sc. agaricoides Ehrenb.*, ascomatibus subgregariis resupinatis s. subsessilibus dimidiatis, margine lobatis multifidisque, supra vellere albido-gryseo ex pilis septatis intertexto obductis, subtus liris parallelis geminato-conniventibus roseis, a centro polito laeve radiantibus, ad latuscula hymenophoris obliteratis, cinnamomeis. — *Ehrenb. hor. phys. I. 94. Schizonia vulgaris Pers. myc. III. Schizophyllum commune Fr. syst. I. 330. Rhipidium liratum Wallr. in lit.* 1816. *Agaricus alneus L. Balt. t. 346. 491. Schaeff. t. 246. Pers. syn. 485. A. multifidus Batsch f. 126. Nees syst. f. 181. (mala.) A. radiatus Sw. — Vaill. bot. t. 10. f. 7.*

Ad trabes fagineas, alneas, pyrinas putres passim. Aest.

Ordo VI.

PYRENOMYCETES W. *Kernschwämme.*

Vegetabilia mycetoidea perfectiora, forsan typo et fabricae internae apparatu magis composito insidentibus perfectissima, cum Lichenibus pyrenocymatis saltem analoga, ex conceptaculis (*pyrenium W., perithecium auct., uterus et cellula Fr.*) mole, substantia, colore et superficie variis, plerumque tomatis, praeter hasces, non-

lacer; apud ***Batschium:*** *sus, bicolor, buccinalis, c Digitalis, dispar, fimbriatus xurians, nivco-brunneus, ni lus, rostratus, submaculatus gium; A. amarus, chrysom gipes, strictus, subglobosu A. acetosus, acrocephalus, chloropetalus, commutans, c lus, hyalopus, hycmalis, ict cophilus* et quae sunt aliae e ab aliis repertae.

349. RHIPIDIUM

Ascoma tenaciter carn suffultum, inferne e lamin ascophoras, primum ad acie gitudinalitur fissas revolutas

(*Agarici sp. auct.*, a qu que aliis Ag. Aegeritariis Fr

3602. ***Rh. stypticum*** subcaespitosisve, pileo cor dibuliformi, supra tegmine gr lamellis angustis seriatis nosum s. parce tomentosum circumscripte ambeuntibus. *t.* 140. 557. *Flor. dan. t.* 1 *I.* 188. *A. betulinus Bolt. gramineus Flor. dan. t.* 83 *semipetiolatus Schaeff. t.* 2

Ad truncos arborum cae

e. lirati, ascomatibus carnosulo, primum contiguo, longitudinaliter conniventiun primum replicata, dein assu

(Novam indicare volui R lius inter radulares et lamell

851. PHOMA Fr. *Buckelsperling.*

Pseudopyrenium hypophloeodes tenerrimum, supra summum epidermidis pelliculam obvelantem constipando et decolorando adiciens propriumque innatum pustulare, intus grumosum, sporidiis globosis s. elongatis farctum mentiens.

(*Phoma Fr. Xylomatis et Sphaeriae sp. aut.*) Genus dubium.

3601. *Ph. saligna Fr.*, pseudo-pyrenlis convexis fusco-nigris, s. multilocularibus, centro umbonatis. — *Fr. syst. II.* 546. *Xyloma saligneum Pers. syn.* 106. *Sphaeria saligna Ehrh.*

Ad folia salicina dejecta. Hyeme.

3605. *Ph. arcolata W.*, confluens, planiuscula, opaca, nigro-fusca, angulato-arcolata. — *Sclerotium arcolatum Fr. syst. II.* 261.

Ad folia dejecta Pruni Padi. Hyeme.

3606. *Ph. Pustula Fr.*, unilocularis, convexa, laevis, rufescenti-fusca, intus alba, nucleo atro. — *Fr. l. l. Sphaeria Pustula Pers. syn.* 91.

Ad folia dejecta quercina. Vere.

852. CEUTHOSPORA FR. *Linsensperling.*

Pseudo-pyrenium hypophloeodes determinatum, summum epidermidis pelliculam constipando et decolorando adiciens propriumque innatum s. symphloeodes umbonatum, intus grumosum sporidiisque cylindricis fretum, vertice irregulariter dehiscens mentiens.

3607. *C. phaeidiaides Grev.*, pseudo-pyrenlis symphloeodeis in maculam orbiculatam deplanatam piceam nitidam confluentibus, dein vertice depresso lacero dehiscentibus. — *Grev. syst. t.* 253. *Xyloma multivalve DC. Ph. multivalvis Schmidt. Fr. syst. II.* 576. *Sphaeria Hederae β. Ilicis Nees fgst. f.* 53. *Spk. bifrons Sowerb. t.* 316.

Ad folia Ilicis Aquifolii putrida rarius. Autumno.

nisi in hanc s. utrinque aequaliter, columnae instar productae conditionem facile aberrantem, ad figuram sphaericam tendentibus, verrucosis, nucamentaceis s. tuberosis, primum undique clausis, sive deinceps pro visceribus projiciendis hiatu clandestino (*Pyrenomycetes cryptostomi*), verticeve papillato, poro circinato et transverso eoque in effoetis iterum contracto (*P. sphinctrostomi*), vel ostiolo labiati instar patente (*P. eustomi*) reclusis, sive undique conferruminatis, nec sponte dehiscentibus (*P. astomi*), foeturam ex ascidiis vesicalosis e figura ovali subclavataque varie concinnatis sporidiorumque multifariam dispositorum serie praeguantibus, veluti multilocularibus, fugacissimis s. diutius persistentibus conflatam, intus sudi instar exceptam (*P. astomi pleropyrenii*), s. intra ipsa parietum laminas distentas, spatium vacuum amplexans (*P. astomi coelopyrenii*) reconditam, sive in latice gelatinoso, mox coëundo subsidente (*P. astomi hyalopyrenii*), sive in pulpa ceracea siccante delitescentem (*P. astomi sarcopyrenii*), sive ad corpuscula lenticularia distincta redactam (*P. astomi pycnopyrenii*) foventibus effoetisque jam denuo pervicacibus, nunc stromate destitutis ejusque loco a cubilibus quibuscunque ipsisque hypogaeis, nunc stromate proprio eoque ex cellulis ovalibus s. pertenuibus fistuloso-hyphoideis distinctis, ad compagem variam laxius densiusque intertextis, incondito plane s. ad figuram ratam redacto, pyrenia indita, innata, adnata s. superaddita gerente susceptis composita, saepius pervia lucis, umbrae vitaeque cujuscunque tenuioris conditionis patientia.

(*Angiogastres et Pyrenomycetes Fr. Gonio- et Myelomyci Nees. Myelomycetes Spr. syst. Hypoxyla DC. Dub. Sclerocarpi Pers. syn. Gasteromyci Willd. Xylomyci Ehrenb. Lycoperdi sp. Schaeff. Huds.*)

A. cryptostomi, pyreniis globosis dimidiatisque astomis s. orificium figuratum saltem occultantibus, senescendo sine ordine, nec sponte dehiscentibus s. integris accedentibus.

(Gasteromycetum ordo 3. *perisporiaceae Fr.*)

851. PHOMA Fr. *Buckelsporling.*

Pseudopyrenium hypophloeodes tenerrimum, supra summam epidermidis pelliculam obvelantem constipando et decolorando adficiens propriumque innatum pustulare, intus grumosum, sporidiis globosis s. elongatis farctum mentiens.

(*Phoma Fr. Xylomatis et Sphaeriae sp. auct.*) Genus dubium.

3604. *Ph. saligna Fr.*, pseudo-pyreniis convexis fusco-nigris, s. multilocularibus, centro umbonatis. — *Fr. syst. II.* 546. *Xyloma salignum Pers. syn.* 106. *Sphaeria saligna Ehrh.*

Ad folia salicina dejecta. Hyeme.

3605. *Ph. arcolata W.*, confluens, planiuscula, opaca, nigro-fusca, angulato-areolata. — *Sclerotium arcolatum Fr. syst. II.* 263.

Ad folia dejecta Pruni Padi. Hyeme.

3606. *Ph. Pustula Fr.*, unilocularis, convexa, laevis, rufescenti-fusca, intus alba, nucleo atro. — *Fr. l. l. Sphaeria Pustula Pers. syn.* 91.

Ad folia dejecta quercina. Vere.

852. CEUTHOSPORA FR. *Linsensporling.*

Pseudo-pyrenium hypophloeodes determinatum, summam epidermidis pelliculam constipando et decolorando adficiens propriumque innatum s. synphloeodes umbonatum, intus grumosum sporidiisque cylindricis foetum, vertice irregulariter dehiscens mentiens.

3607. *C. phacidioides Grev.*, pseudo-pyreniis synphloeodeis in maculam orbiculatam deplanatam piceam nitidam confluentibus, dein vertice depresso lacero depresso dehiscentibus. — *Grev. scot. t.* 253. *Xyloma multivalve DC. Ph. multivalve Schmidt. Fr. syst. II.* 576. *Sphaeria Hederae β. Ilicis Necs syst. f.* 53. *Sph. bifrons Sowerb. t.* 316.

Ad folia Ilicis Aquifolii putrida rarius. Auctumno.

nulla macula cinctum, fuscum nigrumve, intus conc demum umbilicatum. — *Fr. l. l. Sphaeria dissem Fr. syst. II.* 513.
Ad quisquilias herbarum putrescentes. Hyems.

3624. *P. Tragopogonis Fr.*, emergens, globo nulla macula cinctum, fusco-nigrum, intus album, collapso subpezizoideo. — *Fr. l. l. Sclerotium Tr pogi Alb. et Schw.* 77. *Fr. syst. II.* 276.
Ad caules Tragopogonum. Auctumno.

854. LEPTOTHYRIUM KZ. *Schildsporling.*

Pyrenium dimidiatum scutiforme longitudinaliter catum, ascos solutos fusiformes obducens.

3625. *L. Lunariae Kz.*, pyreniis minimis nitidis dense stipatis, maculas effusas mentientibus. *in myc. Hft. II.* 79. *Leptostroma rimosum Kz. in*
Ad caules siliculasque Lunariae redivivae.

3615. *P. graminicum Fr.*, adnatum, turbinatum, demum umbilicato-pertusum opacum testaceo-nigrum. *Fr. l. l.*
Ad folia marcida Holci lanati.

†† *epicaula, pyreniis erumpentibus subliberis.*

3616. *P. circinans Fr.*, adnatum, circinato-gregarium, subglobosum, collabescens, opacum, atrum. — *Fr. syst. III.* 252. *Erysiphe Geranii Moug.*
Ad Geranii mollis foliorum paginam superiorem rarius.

3617. *P. Alismatis Fr.*, emergens, globosum, fuscum, macula indeterminata effusa expalleute. — *Fr. l. l. Sclerotium Alismatis Necs. Fr. syst. II.* 257.
Ad folia Alismatis natantis languida. Auctumno.

3618. *P. alienum Fr.*, emergens, globosum, nigrum, macula elongata pallida. — *Fr. l. l. Sphaeria aliena Fr. syst. II.* 502.
Ad ramos Evonymi languidos. (*Mougeot.*)

3619. *P. maculare Fr.*, emergens, liberato-deciduum, globosum, minimum, liberum, stromate tenuissimo fusco sub epidermide gryseo-maculata latente. *Fr. l. l.*
In foliis siccis Populi tremulae. Hyeme.

3620. *P. Galba Fr.*, emergens, maculis indeterminatis albicanti-testaceis cinctum, globosum, subpertusum nigrum. — *Fr. l. l. Sphaeria Galba Fr. syst. II.* 512.
Ad caules Heraclei et Chaerophyllorum. Vere.

3621. *P. exuberans Fr.*, emergens, cumulis substriaeformibus subcoacervatum, demum liberum, subglobosum, nigrum. *Fr. l. l. Sphaeria exuberans Fr. syst. II.* 432.
Ad caules Alliorum hyeme perstites.

3622. *P. Agaricola W.*, pyreniis globosis fuscis parvis carnosis clausis, cubilia undique penetrantibus, intus dilutioribus.
Stipites Agarici emetici putres extus intusque infarcit. Auctumno sero. (Sphaeriae Agaricolae simillimum.)

3623. *P. disseminatum Fr.*, emergens, globosum,

3631. *C. pysiformis Fr.*, pyreniis numerosissimis atris difformibus irregulariter coacervatis, in conceptaculo erumpente atro-fusco globoso inclusis, disco minuto subconcolore plano, ostiolo centrali nigro. — *Dub. gall. II.* 725.

In ramulis quercinis mont. vogesi. (*Mougeot.*)

3632. *C. ferruginea Desmaz.*, pyreniis 15–20. extus albidis circinantibus coacervatis in conceptaculo atro crasso orbiculari planiusculo hypophloeode, ostiolo centrali epidermidem perforante punctique albi instar prominulo, cirrhis ferrugineis. — *Dub. gall. II.* 725.

In ramis fagineis languentibus rarius.

3633. *C. fugax Fr.*, pyreniis atris circinantibus, conceptaculo nullo, disco plano fuligineo, cirrhis tenuibus pallidis. — *Fr. syst. II.* 544. *Nemaspora pustulata Rebent. Sphaeria pustulata Hoffm. veg. cr. t.* 5. *f.* 5. *Pers. syn.* 41. *Variolaria fugax Bull. t.* 432.

In ramulis salicinis et coryleis vulgaris.

[redacted]

nicerae Fr. obs. t. 4. f. 7. X. Xylostei DC. Sphaeria ruboidea Fr. olim.

Ad folia viva Lonicerae Xylostei et coeruleae in German. australi.

B. sphinctrostomi, pyreniis globosis membranaceis carnosisve, syn- hypophlocodeo-insculptis s. epiphlocodeis, nonnisi stromate hyphoideo suffultis, colore variis, primum clausis, dein ex vertice sensim tenuato aperto pulpam ascophoram nudam s. sacculo veluti exceptam eructantibus, illaque protrusa inter hiatum denuo constrictum saepius coronatis. (Hypoxyla cytisporea et Lycoperdaceae sclerotiaceae Dub. Pyrenomycetes cytisporei et Hymenomycetum sclerotiaccorum gen. Fr.)

857. CYTISPORA FR. *Nudelschneller.*

Pyrenia tenuissime membranacea difformia cellulosa, in tuberculo grumoso hypophloeode, circa columnam centralem (nonnisi pyrenium distinctum) circinantia, subconnata, apice juncta, collo discum erumpentem perforantia ostiolumque solitarium mentientia, pulpam sporophoram, dein coactam ascidiis solutis foetam, ex ostiolo cirrhorum instar eructantia.

(Cytospora Ehrenb. Bostrychia Fr. olim. Spr. syst. Nemasporae sp. Pers. Sphaeriae cirrhiferae Tode.)

3628. *C. betulina Ehrenb.*, pyreniis depressis atris, disco erumpente cinerascente, cirrho tenui rubello. — *Ehrenb. sylv.* 28. *Fr. syst. II.* 545.

In ramis betulinis passim. Auctumno.

3629. *C. melanospora Fr.*, pyreniis depressis atris, disco erumpente albido, cirrho rudi atro. *Fr. l. l.*

In ramis coryleis rarius. Auctumno.

3630. *C. guttifera Fr.*, pyreniis atris in tuberculum immersum nigrum attenuatum, collo erumpente conico obtuso conjunctis, pulpa globosa albida, dein nigrescente. — *Fr. l. l. Sphaeria guttifera DC. gall. VI.* 136.

In ramulis quercinis rarius.

3631. *C. pysiformis* atris difformibus irregulariter erumpente atro-fusco globos concolore plano, ostiolo centr
In ramulis quercinis mor

3632. *C. ferruginea* extus albidis circinantibus co crasso orbiculari planiusculo trali epidermidem perforante minulo, cirrhis ferrugineis. –
In ramis fagineis languen

3633. *C. fugax Fr.*, conceptaculo nullo, disco pl pallidis. — *Fr. syst. II.* 54 *bent. Sphaeria pustulata H syn.* 41. *Variolaria fugax*
In ramulis salicinis et co

3934. *C. Aquifolii F* bus, conceptaculo nullo, dis centrali prominulo aterrimo. –
Ad corticem Ilicis in mo

3635. *C. leucosperm* nantibus, conceptaculo nullo albido. — *Fr. l. l. Nemasp. Sphaeria cirrhata Hoffm. ve*
Ad ramos fagineos, aceric

3636. *C. floccosa W.*, epidermide scissa cinctis, ve cirrhum candidum crassum g ovatis conflatum eructantibus
Ad ramos Pruni domestic

3637. *C. carphosperm* cinantibus, conceptaculo nullo lutescente. *Fr. l. l.*
In ramulis tiliaceis passim

3638. *C. xanthosperma Fr.*, pyreniis circa columnam centralem circinantibus, conceptaculo nullo, disco hypophloeode latitante, cirrho rudi aureo. *Fr. l. l.*
In ramis salicinis similem saltem legi. Auctumno.

3639. *C. chrysosperma Fr.*, pyreniis oblongis atris in conceptaculo incusis, disco erumpente nigrescente, cirrhis luteis. — *Fr. l. l. Nemaspora chrysosperma Pers. syn.* 108. *Sphaeria cirrhata Sow. t.* 138. *Hypoxylon cirrhatum Bull. t.* 487.
Ad corticem populinum vulgaris. Hyeme miti.

3640. *C. aspera W.*, pyreniis subrotundis nigris hypophloeodeo-latitantibus epidermidemque pustulatam elevantibus, cirrhis teretiusculis asperis pallidis.
Ad corticem fagineum rarius. Auctumno.

3641. *C. rubescens Fr.*, pyreniis in conceptaculo depresso incusis, disco erumpente fuligineo, cirrhis rubescentibus. — *Fr. l. l.*
Ad ramulos Prunorum et Sorbi passim.

3642. *C. incarnata Fr.*, pyreniis subglobosis atris in conceptaculo lentiformi proprio nidulantibus, cirrho filiformi incarnato-roseo. *Fr. l. l. Sph. sordida β. Pers. syn.* 25.
Ad ramos carpineos passim. Hyeme mitiori.

3643. *C. coccinea Fr.*, pyreniis nigris ostiolo parce prominulis, cirrho filiformi coccineo. — *Fr. l. l. Nacmaspora coccinea Rebent. neom.* 339.
In ramis siccis Robiniae Pseud-Acaciae rarius. (Praeter hanc dubiam *Rebent. N. Juglandis et nigram l. l.* indicat, denuo indagandas s. aliis subscribendas.)

858. HELICOBOLUS W. *Schneckenschneller.*

Pyrenium membranaceum sphaericum synphloeodes simplex s. uniloculare, pulpa ascophora mera gelatinosa faretum illamque dein ex ascidiis follicularibus asporis hyalinis liberis conflatam, per verticem tenuando scissum eructans.

(*Septariae et Septoriae sp. Fr. Phlocosporae* sp. *W.*)

divaricatas, apice trifido-penicillatas desinentibus, dein convergendo-deflexis pyreniumque depresso-concavinscu-lum elevantibus, stromate delicatissimo effuso laxe intr-texto crispulo albo-gryseo.

In utraque Pruni Padi foliorum facie. Auctumno.

3651. *A. clandestina W.*, pyreniis minutissimi sparsis subglobosis opacis fuscis, capillitii abbreviati fu-rescentis radiis senis in furcas geminas nodosas desi-nentibus, dein convergentibus facile aufugis, stromate ef-fuso delicatissimo albo laxe intertexto. — *W. in Ber. Verh. l. l.* 37. *excl. var. β. A. Oxyacanthae W. in an. l. l.* 242. *Erysibe clandestina Lk. l. l.* 103. *Erysiph. Oxyacanthae DC. gall. VI.* 106.

In Crataegi Oxyacanthae foliis. Auctumno.

3652. *A. divaricata W.*, pyreniis minutissimi confertim sparsis, primum subglobosis, dein depres-opacis fuscis, capillitii candidi radiis 6–8 tortis, apic bifurcatis floccosis deflexis pyreniumque elevantibus, stro

mox (siccando) coacta vesicaeformi, ascidiis exilissimis sphaericis gelatinae innatantibus foeta, extus glutinosa coronatum.

3648. *C. castaneus W.*, globulo sporophoro emerso, primum limpido dilute-dein saturatius fusco nitido majusculo.

Ad ligna decorticata fraxinea Thuring. Auctumno.

3649. *C. aëneus W.*, globulo sporophoro emerso, primum vinoso, dein aëneo-virente s. melanophaeno parvo.

Ad frustula ligni faginei Hercyn. infer. Hyeme.

860. ALPHITOMORPHA W. *Mehlkeimer.*

Pyrenium carnosum versicolor (primum album, mox pallide flavescens citrinumve, denique fusco-castaneum s. melanophaenum), capillitio peripherico-radiante suffultum s. basi nuda adfixum, primum clausum, latice sporophoro fluxo, utriculo excepto distentum hemisphaericum eumque ascidiis oligosporis foetum, dein ex vertice dimoto transmittens. Stroma hyphoideum subiculoso-araneosum denso intertextum, aliis cellulis sphaericis excretis saepius floccoso-pulverulentum.

(*Alphitomorpha Wallr. in ann. wett. IV.* 226. (*genus sensu Candolleano anno* 1815 *traditum*); *in Verhandl. d. Naturf. Fr. in Berl.* 1819. *I.* 6–51. (*idem ad novam meth. anno* 1816 *retractatum.*) *Spr. syst. Erysibe Rebent. Link sp. pl. VI. Ehrenb. N. A. Leop. X.* 203, *t.* 12. (*neque Wallr. cum Murrayi et Graecorum auctoritate, a scriptoribus in syst. restaurato neglecta neque Roxb.*) *Erysiphe Hedw. fil. DC. Fr. Sclerotii sp. auct. Mucor Erysiphe L. Albugo Ehrh.*

† *pyreniis capillitio distincto suffultis.*

* *radiis capillitii apice figuratis.*

3650. *A. tridactyla W.*, pyreniis minutissimis sparsis, primum subglobosis opacis fuscis, capillitii elongati fuscescentis radiis ternis trifurcatis, in furcas geminas

Verh. 31. *A. Ballotes W.* wett. 239. *E. lamprocarpa Lk. l. l.* 109. *M. Erysiphe L. sp. pr. pr.*

β. Balsaminae.

γ. Plantaginis. — Alph. communis var. W. et *Schl. l. l. A. circumfusa Schl. berol. II.* 169.

Var. *α.* in Ballotis, Galeopsidibus, Stachydibus, Lamiis, Marrubio, Menthis aliisque Labiatis; *β.* in Balsamina Noli tangere; in Plantaginibus passim.

3663. *A. depressa W.*, pyreniis majusculis sphaericis, dein vertice depresso concaviusculis, veluti marginatis fuscis opacis, capillitio delicatissimo brevi non fuscescente, cum stromate effuso ex hyphis longissimis laxe intertextis connexis. — *W. Verh. I. l.* 34. *E. depressa Lk. l. l.* 110.

α. Bardanae. — W. l. l. A. Bardanae W. wett. 238.

β. Artemisiae. — W. l. l. A. Artemisiae W. wett. 238.

γ. Corymbiferarum. — E. circumfusa Lk. l. l. 109.

Var. *γ.* in Eupatoriis et Solidag., v. *α. β.* in herbis l.

δ. Rosarum. — A. Rosarum W. in wett. l. l. 238.
η. Grossulariae. — W. et Lk. l. l.
Var. *α.* in Alno glutinosa; *β.* in Lonicera Caprifolio, losteo, tartarica, Viburno Opulo et Lantana; *δ.* in sae majalis monstro foecundissimo passim. Auctumno.

3651. *A. adunca W.*, pyreniis minutis depresso- bosis fuscis opacis, capillitii candidi radiis confertis- iis (40-60) patentissimis longis aequaliter expansis, ce incurvatis s. aduncis, stromate effuso maculari, non- i constipato lacteo. — *W. in Berl. Verh. l. l.* 37. *E. nca Lk. l. l.* 111.
α. Amentaceorum. — A. adunca α. Populi W. Verh. l. A. Populi W. wett. l. l. 236. *E. Populi DC. gall.* 104. — *A. obtusata Schlechtd. Verh. l. l. E. obt. l. l.* 217. *E. Salicis DC. gall. II.* 273. *E. Capreae b. gall. II.* 871.
β. Ulmorum. — W. l. l. E. clandestina Bernard. ul. III. 20. *t.* 4. *f.* 4.
γ. Rosacearum. — A. adunca β. Prunastri W. l. l. Prunastri DC. gall. VI. 108. *E. Mali Moug. Dub. l. l. abnormis Dub. pr. pr.*
δ. Ligustri. — Fr. syst. III. 545.
Var. *α.* in Populi nigrae, dilatatae et tremulae, nec n in Salicis Helicis, triandrae et capreae; *γ.* in Pruni itiriae, spinosae, domesticae, Cerasi, pygmaeae, Pyri, li, Fragariae foliis. Auctumno.

3655. *A. bicornis W.*, pyreniis sparsis parvis sphae- is, dein depressis fuscis opacis, capillitio multiradiato evissimo apice furcato nudo cinctis, stromate effuso in lliculam continuam submembranaceam constipato albo- erascente. — *W. in B. Verh. l. l.* 38. *A. Acerum . ann. wett. l. l.* 235. *E. bicornis Lk. l. l.* 112. *E. ceris DC. Mucor Erysiphe in fol. Aceris Schrank.*
In foliis Acerum patruorum. Auctumno c. reliquis.

3656. *A. horridula W.*, pyreniis majusculis hemi- haericis, dein nigro-fuscis opacis confertis, capillitio ultiradiato, radiis robustis ramosis septatis taeniatis,

Verh. 31. *A. Ballotes W. wett.* 239. *E. lamprocarpa Lk. l. l.* 109. *M. Erysiphe L. sp. pr. pr.*

β. Balsaminae.

γ. Plantaginis. — Alph. communis var. W. et *Sal. l. l. A. circumfusa Schl. berol. II.* 169.

Var. *α.* in Ballotis, Galeopsidibus, Stachydibus, Lamiis, Marrubio, Menthis aliisque Labiatis; *β.* in Balsamina Noli tangere; in Plantaginibus passim.

3663. *A. depressa W.*, pyreniis majusculis sphaericis, dein vertice depresso concaviusculis, veluti marginatis fuscis opacis, capillitio delicatissimo brevi mox fuscescente, cum stromate effuso ex hyphis longissimis laxe intertextis connexis. — *W. Verh. l. l.* 34. *E. depressa Lk. l. l.* 110.

α. Bardanae. — W. l. l. A. Bardanae W. wett. 238.

β. Artemisiae. — W. l. l. A. Artemisiae W. wett. 240.

γ. Corymbiferarum. — E. circumfusa Lk. l. l. 109.

Var. *γ.* in Eupatoriis et Solidag., v. *α. β.* in hortis l.

3664. *A. communis W.*, pyreniis majusculis sphaericis confertim sparsis, dein nigro-fuscis opacis rugulosis, capillitio multiradiato basilari hyalino cum stromate hyphoideo concolore conformi effuso jugiter contextis appensis eoque tenuato basi nudiusculis. — *W. Verh. l. l.* 31. *Erysibe communis Lk. l. l.* 105.

α. Gramincarum. — W. l. l. E. graminis DC. FL. 186.

β. Polygonearum. — W. l. l. E. Polygoni DC. FL. 273.

γ. Ranunculearum. — W. l. l. E. Aquilegiae DC. l. l.

δ. Convolvulaceurum. — W. l. l. E. Convolv. DC.

ε. Alsinacearum. — Fr. syst. III. 240.

ζ. Rubiacearum. — Fr. l. l. W. l. l.

η. Solanacearum. — Fr. l. l. W. l. l. (*E. epimycha Ehrh.*)

Θ. Personatarum. — Fr. l. l.

ι. Dipsacearum. — Fr. l. l.

κ. Cruciferarum. — Fr. l. l.

λ. Onagriarum. — Fr. l. l.

μ. Campanulacearum. — W. l. l.

ν. Geraniacearum W.

ξ. Hypericearum. — W. l. l. Fr. l. l.

saleta sordide flavicante. — *Fr. l. l. Sphaeria Acrospermum Tod. l. l. f.* 119. *A. et Schw.* 50. *Pers. syn.* 92.

In ligno quercino et pinco rarissime.

3682. *Sph. semipellitum W.*, pyrenüs pachydermaticis, e basi ovata hypophloeode, tegmine fibroso fusco obducta crassiore in verticem nodum convexum nigrum nitidum, poro tenui pertusum abeuntibus usque mamillari epidermidem permeantibus globulumque sporopharum cinereum caducum stillantibus.

Ad candices quercinos effossos languidos rarius.

3683. *Sph. conicum Fr.*, pyrenüs e basi depresso-globosa hypophloeode in apicem mamillarem s. conico-cylindricum acutum nigro-fuscum, epidermidem scissam superantem productis libere prominalis, globulo flavente, mox nigrescente facile deciduo tectis. — *Fr. syst. II. 338. Sphaeria conica Tode l. l. f.* 116. *Pers. syn.* 91.

Ad ramos Pruni domesticae, Rhamni et Fagi passim. Auct.

3684. *Sph. columnare W.*, pyrenüs fasciculatis subconfluentibus nigris incusis strictis speciosis, e basi aequali cylindrica in verticem obtusum umbonatum veluti operculatum nitidum, poro tenuissimo pertusum productis.

Ad truncos fraxineos caesos Thuring. rarius. Vere.

3685. *Sph. aciculare Fr.*, pyrenüs attenuato-cylindricis grysco-nigricantibus, globulo albo-lutescente. — *Fr. l. l. Sphaeria dubia Tod. l. l. f.* 118.

Ad ligna quercina suis locis parcius. (*Tode.*)

3686. *Sph. subulatum Fr.*, pyrenüs e basi conica in acumen subulatum tenuatis lutescentibus laevissimis glaberrimis, vivis pellucidis exsiccis, siccando corrugatis cumque globulo sporophoro limpidiore ovali persistentibus. — *Fr. l. l. Sphaeria subulata Tod. l. l. f.* 117. *Pers. syn. 94. Nees syst. f.* 345. *B.*

Ad Agaricos induratos passim. Auctumno.

3687. *?Sph. Pteridis Fr.*, pyrenüs subtuberculosis magnis sparsis badio-fuscis, primum globoso-depressis,

3673. *Sph. pyriformis Fr.*, pyreniis e basi latiore conicis acutis laevibus aterrimis, globulo sporophoro ovali piceo facile deciduo. — *Fr. l. l. Sphaeria pyriformis Pers. syn.* 64.

In lignis exsiccatis, quercinis v. c. Vere.

3676. *Sph. parabolicum Fr.*, pyreniis parabolicis gregariis laevibus nigris, globulo sporophoro pauminulo livido. — *Fr. l. l. Sphaeria parabolica Tod. meckl.* 43. *t.* 115. *Nees syst. f.* 345. *A.*

In lignis putredine uda consumtis ubique.

3677. *Sph. cylindricum Fr.*, pyreniis cylindricis simplicissimis gracilibus laevibus nigris, globulo sporophoro albo prominulo. — *Fr. l. l. Sphaeria cylindrica Tod. l. l. f.* 114. *Pers. syn.* 93.

Ad ligna putrida, salicina praeprimis. Hyeme.

3678. *Sph. cladoniscum Fr.*, pyreniis cylindricis subramosis nigris, globulo sporophoro albo exiguo, vertice impresso excepto. — *Fr. l. l. Calicium cladoniscum Ach. lich.* 241.

In ramis putridis, salicinis v. c., passim.

3679. *Sph. ventricosum Fr.*, pyreniis elongatis strictis atris rigidis simplicibus, mediotenus ventricosis, basi verticeque abrupte attenuato truncato discoideo globulum sporophorum minutum punctiformem cinereum monstrantibus. — *Fr. l. l. Calicium ventricosum Ach.* l. l.

Fx rimis arborum (Tiliarum, Prunorum) rariusc. emergit.

3680. *Sph. pistillare W.*, pyreniis elongatis strictis rigidis atro-piceis nitidis, e basi tenui sensim in apicem incrassatis claratis s. pistillaribus, vertice attenuato pore exilissimo pertusis.

In praecedentis consortio neque minus rarum et cum illo novum genus indicans.

3681. *Sph. Acrospermum Fr.*, pyreniis cylindrico-ventricosis laevibus nigris, globulo sphorophoro ob-

soleto sordide flavicante. — *Fr. l. l. Sphaeria Acrospermum Tod. l. l. f.* 119. *A. et Schw.* 50. *Pers. syn.* 92.

In ligno quercino et pineo rarissime.

3682. *Sph. semipellitum W.*, pyreniis pachydermatinis, e basi ovata hypophloeode, tegmine fibroso fusco obducta crassiore in verticem nudum convexum nigrum nitidum, poro tenui pertusum abeuntibus eoque mamillari epidermidem permeantibus globulumque sporophorum cinereum caducum stillantibus.

Ad caudices quercinos effossos languidos rarius.

3683. *Sph. conicum Fr.*, pyreniis e basi depresso-globosa hypophloeode in apicem mamillarem s. conico-cylindricum acutum nigro-fuscum, epidermidem scissam superantem productis libere prominulis, globulo flavente, mox nigrescente facile deciduo tectis. — *Fr. syst. II.* 538. *Sphaeria conica Tode l. l. f.* 116. *Pers. syn.* 94.

Ad ramos Pruni domesticae, Rhamni et Fagi passim. Auct.

3684. *Sph. columnare W.*, pyreniis fasciculatis subconfluentibus nigris iucusis strictis speciosis, e basi aequali cylindrica in verticem obtusum umbonatum veluti operculatum nitidum, poro tenuissimo pertusum productis.

Ad truncos fraxineos caesos Thuring. rarius. Vere.

3685. *Sph. aciculare Fr.*, pyreniis attenuato-cylindricis gryseo-nigricantibus, globulo albo-lutescente. — *Fr. l. l. Sphaeria dubia Tod. l. l. f.* 118.

Ad ligna quercina suis locis parcius. (*Tode.*)

3686. *Sph. subulatum Fr.*, pyreniis e basi conica in acumen subulatum tenuatis lutescentibus laevissimis glaberrimis, vivis pellucidis ceraceis, siccando corneis cumque globulo sporophoro limpidiore ovali persistentibus. — *Fr. l. l. Sphaeria subulata Tod. l. l. f.* 117. *Pers. syn.* 14. *Nees syst. f.* 345. *B.*

Ad Agaricos induratos passim. Auctumno.

3687. *?Sph. Pteridis Fr.*, pyreniis subtuberculosis magnis sparsis badio-fuscis, primum globoso-depressis,

(*Sphaeria* (*Hall.*) *Valsa, Hypoxylon, Hypoxera Reichenb. Xylaria, Stromatosphaeria, Cucurbitaria, Cryptosphaeria et Sphaeria Grev. Pyrenia Wüld. Hypoxylon Juss. et Variolaria Bull. Sphaeria Hall. Tod. Pers. Nees et Fr. Dothideae sp. Fr. Aecidium Hill. Valsa Scop.*) — Genus naturale, vastissimum, quamvis in plura genera dispescendum sit, h. l. sensu Persooniano tam quoque tutor, donec ambiguitates quaecunque Corpulus generumque reliquorum fides innotuerint.

A. astromaticae, pyreniis simplicibus distinctis, ab ipsis cubilibus sine ullo stromatis proprii indicio exceptis iisque sive subjectis (hypophlocodeis), sive inde contextis (synphlocodeis), sive superadditis (epiphlocodeis), figura, mole et colore variis, a nucleo infernulo nonnisi desciscentibus. — (Sphaeriae simplices Pers.; superficiales, subimmersae et subinnatae Fr.; nudae Schm.; cystitromae Schmidt in Kunz. myk. Hft. II. 1–20.)

a. leptostomae, pyreniis subglobosis s. hemisphaericis distinctis, nonnisi gregariis, siccando et resecando saepius subsidentibus, vertice obsolete papillato epidermide varie scissam, sive aequaliter infarcientibus, sive permeantibus poroque exilissimo pertusis. (Sph. sitiens Schm. Hypodermi sp. DC.)

† *leiopyreniae, pyreniis calvis.*

* *synphlocodeae, pyr. simplicibus, basi cum cubilibus connatis, nucleo ceraceo, ascidiis obsoletis facto farcto*

° *limbatae, pyr. epiphyllinis, arcam limbo discolore cinctam tenuatam, veluti aridam obsidentibus. (Sph. foliicolae Depazeae Fr. Phyllosticta Pers. Sph. lichenoides DC. gall. VI. 147.)*

3693. *Sph. vagans Fr.*, pyreniis innatis minimis sparsis nigris, vertice convexiusculo parce pruinoso, maculam albidam, limbum fuscum spargentem obsidentibus. *Fr. syst. II. 533. Sph. lichenoides foliorum vegetorum DC.*

In herbarum foliis plurimis, v. c. Ballote, Malva, Amplicibus, Scabiosis, Beta, Geo ipsisque forsan arboribus, Pyris v. c. Prunis et Salicibus (*Sph. salicicola Fr. l. c.*)

microscopicis sphaericis atris nitidis confertissimis, maculae orbiculatae gryseae, halone livido-fusco cinctae centrum occupantibus. — *DC. et Fr. l. l. Sph. macularis Schmidt et Kunz. D. Schw. n. 78.*

Ad folia Populi tremulae viva.

3709. *Sph. stemmatea Fr.*, pyreniis globosis minutis gregariis epiphyllis, summam epidermidis pelliculam interminate dealbatam excutientibus. *Fr. l. l.*

Ad folia Vaccini Vitis idaeae viva.

3710. *Sph. Linnaeae Ehrenb.*, pyreniis gregariis hemisphaericis atro-nitidis epiphyllis minimis concavis, maculam candidam, halone latescente roseo cinctam obsidentibus. — *Ehrenb. l. l. Fr. l. l.*

Ad folia Linnaeae borealis. (*Ehrenberg.*)

3711. *Sph. crispans Pers.*, pyreniis nigris confertissimis subrotundis laevibus nigricantibus, maculam albo-lutescentem dein expallentem obsidentibus. *Dub. l. l.*

Ad folia Convallariae bifoliae rarius.

3712. *Sph. cruenta Kz.*, pyreniis minutis sparsis subrotundis obesis firmulis, vertice convexo dein depresso prominulis nigris, maculam pallide rubentem, halone elevato fusco-sanguineo limitatam obsidentibus. *Fr. l. l.*

Ad folia Convallariae multiflorae, auct. uti reliquae.

3713. *Sph. Ostruthii Fr.*, pyreniis globosis minimis astomis nigrescentibus hypophyllis gregariis, areas intervenias subangulatas lividas inscribentibus. *Fr. syst. II. 526.*

Ad folia Imperatoriae Ostruthii languida.

3714. *Sph. Aegopodii Fr.*, pyreniis amphigenis hemisphaericis parvis sparsis nigris, dein summam epidermidis pelliculam elevantibus prominulis, maculam pallidam effusam angustam occupantibus. — *Pers. syn. 89. excl. var. β. Fr. l. l.*

Ad folia Aegopodii Podagrariae languida.

** *effusae*, *pyreniis basi symphlocode connatis, cuticula vegeta non adficientibus, massa cerucea alba, asci-*

diis subclavatis simpliciter sporophoris faretis. (*Sphaeriae trib.* 27. *Foliicolae Fr. Dothideae sp. Fr.*)

3715. ***Sph. culmorum W.***, pyreniis microscopicis synphloeodeis atro-fuscis globosis, vertice depresso parce prominentibus, interstitia lineata obsidentibus culmoque dein velati nebula nigrescente tingentibus. — *Sph. scirpicola et recutita Fr. syst. II.* 510. 525. *Sph. pumiliformis β. culmi DC. gall. II.* 299.

Ad culmos Scirpi lacustris et Junci laevis putres. Ver.

3716. ***Sph. caulincola W.***, pyreniis minimis varie dispersis synphloeodeis, vertice convexiusculo nitido nigro prominulis, nucleo albido.

Ad caules herbarum, Scabiosarum v. c. siccos.

3717. ***Sph. stipata Fr.***, pyreniis minimis confertis synphloeodeis convexis nigris nitidis, maculam punctum nigram determinatam mentientibus. — *Dothidea stipata Fr. syst. II.* 558.

tertim sparsis hemisphaerico-symphlocoideis hypophyllis pachydermatiis, vertice convexo nitido prominentibus, nucleo albo farctis. — *Sph. punctiformis β. corylaria DC. gall. VI.* 144.

Ad folia Coryli decidua frequens. Hyeme.

3722. *Sph. leptidea Fr.*, pyrenüis minutis hemisphaericis confertim-sparsis hypogenis, e basi symphlocode innata verticem prominulum nigrum opacum, primum conexum papillatum, dein osculo circinato pertenui pertusum umbilicato-depressum informantibus, nonnisi confluendo irregulariter-oblongatis, intus fuscis. — *Fr. syst. II.* 522. *Xyloma erumpens auct.*

Ad folia Vaccinii Vitis Idaeae passim. Autumno.

3723. *Sph. Empetri Fr.*, pyrenüis subgregariis subcutis hemisphaericis epigenis, e basi symphlocode innata convexiusculis prominulis atris obsolete papillatis, demum collapsis rugosis. — *Fr. l. l. Hypodermium sphaeroides v. Empetri DC.*

Ad folia Empetri arida, rarius. Hyeme.

3724. *Sph. Epilobii W.*, pyrenüis sparsis minutis nigris epicutalis, e basi symphlocode innata verticem umbilicato-depressum nitidum obtuse marginatum informantibus. — *Dothidea Epilobii Fr. syst. II.* 559.

Ad caules siccos Epilobii angustifolii passim. Hyeme.

3725. *Sph. Geranii W.*, pyrenüis basi symphlocoideis punctiformibus subrotundis ovatisque atro-viridibus nitidissimis sparsis, primum hemisphaerico-convexis exilissime papillatis, dein vertice subsidentibus umbilicato-umbilicatis, intus albis. — *Wallr. in lit.* 1816. *Dothidea Robertiani Fr. syst. II.* 564. *Grev. scot. t.* 146. *f.* 1.

Ad folia Geranii Robertiani vegeta Thuring. passim.

3726. *Sph. leguminum W.*, pyrenüis symphlinoideis sparsis parvis nigro-fuscis, dein umbilicato-impressis subsidendoque cum epidermide adaequatis.

Ad legumina Dolichorum languida s. putrescentia.

diis subclavatis simpliciter sporophoris furcatis. (*Sphaeriae trib.* 27. *Foliicolae Fr. Dothideae sp. Fr.*)

3715. *Sph. culmorum W.*, pyreniis microscopicis synphloeodeis atro-fuscis globosis, vertice depresso parum prominentibus, interstitia lineata obsidentibus culmoque dein velati nebula nigrescente tingentibus. — *Sph. saxipicola et recutita Fr. syst. II.* 510. 525. *Sph. pustiformis β. culmi DC. gall. II.* 299.

Ad culmos Scirpi lacustris et Junci laevis putres. Vere.

3716. *Sph. caulincola W.*, pyreniis minimis variis dispersis synphloeodeis, vertice convexiusculo nitida nigra prominulis, nucleo albido.

Ad caules herbarum, Scabiosarum v. c. siccos.

3717. *Sph. stipata Fr.*, pyreniis minimis confertis synphloeodeis convexis nigris nitidis, maculam punctatam nigram determinatam mentientibus. — *Dothidea stipata Fr. syst. II.* 558.

Ad caules siccos, v. c. Chaerophyllorum. Vere.

3718. *Sph. acerina W.*, pyreniis exiguis confertim-sparsis synphloeodeis orbiculatis nigris nitidulis, centro tenuiter papillato dein umbilicato-depressis margineque obtusum prominulum veluti circumducentibus. — *Dothidea acerina W. in lit.*

Ad folia Aceris Pseudo-Platani putrida Thuring. rarius.

3719. *Sph. marginata W.*, pyreniis parvis confertis synphloeodeis orbiculatis atris nitidissimis, primum umbonatis, dein centro papillato depressis margineque volvatum veluti circumducentibus. — *Dothidea marginata Kneiff in lit.*

Ad folia Pyrolae umbellatae radicalia epigena. Aest.

3720. *?Sph. Helicis W.*, pyreniis epiphyllis sparsis subrotundis glabris opacis nigris, intus cinerascentibus. — *Dothidea Hederae Fr. syst. II.* 564.

Ad folia viva Hederae Helicis. Autumno.

3721. Sph. corylaria *DC.*, pyreniis minutis cor-

a sparsis hemisphaerico-synphloeodeis hypophyllis
rdermatinis, vertice convexo nitido prominentibus,
o albo farctis. — *Sph. punctiformis ∂. corylaria*
gall. VI. 144.
d folia Coryli decidua frequens. Hyeme.

722. *Sph. leptidea Fr.*, pyreniis minutis hemi-
ricis confertim-sparsis hypogenis, e basi synphloeode
a verticem prominulum nigrum opacum, primum con-
n papillatum, dein osculo circinato pertenui pertusum
ficato-depressum informantibus, nonnisi confluendo
ilariter-oblongatis, intus fuscis. — *Fr. syst. II.* 522.
na erumpens auct.
d folia Vaccinii Vitis Idaeae passim. Auctumno.

723. *Sph. Empetri Fr.*, pyreniis subgregariis
tis hemisphaericis epigenis, e basi synphloeode in-
convexiusculis prominulis atris obsolete papillatis,
m collapsis rugosis. — *Fr. l. l. Hypodermium sphae-*
es v. Empetri DC.
d folia Empetri arida, rarius. Hyeme.

724. *Sph. Epilobii W.*, pyreniis sparsis minutis
epicaulis, e basi synphloeode innata verticem um-
to-depressum nitidum obtuse marginatum informan-
, — *?Dothidea Epilobii Fr. syst. II.* 559.
d caules siccos Epilobii angustifolii passim. Hyeme.

725. *Sph. Geranii W.*, pyreniis basi synphloeo-
punctiformibus subrotundis ovatisque atro-viridibus
simis nitidissimis sparsis, primum hemisphaerico-
sis exilissime papillatis, dein vertice subsidentibus
easo-umbilicatis, intus albis. — *Wallr. in lit.* 1816.
idea Robertiani Fr. syst. II. 564. *Grev. scot. t.* 146. *f.* 1.
d folia Geranii Robertiani vegeta Thuring. passim.

726. *Sph. leguminum W.*, pyreniis synphloeo-
sparsis parvis nigro-fuscis, dein umbilicato-impressis
dendoque cum epidermide adaequatis.
d legumina Dolichorum languida s. putrescentia.

3793. *Sph. anserina Pers.*, pyreniis ovatis nigris (ligno) immersis cumque illo bullato-elevato prominulis osculisque papillato-teretiusculis perforantibus. — *Pers. icon.* 5. t. 1. f. 8. *Fr. syst. II.* 480.

Ad ligna sicca. (*Persoon.*)

3794. *Sph. occllata Fr.*, pyreniis globosis atris sparsis immersis, osculo solitario umbilicato in disco albo truncato, epidermidem scissam infarciente prominulo eoque veluti ocellato. — *Fr. syst. II.* 480. *Sph. Stictis Pers.*

Ad ramos fraxineos et salicinos languidos. Vere.

3795. *Sph. eunomia Fr.*, pyreniis parvis nigris liberis confertis s. subgregariis hypophlocode-latitantibus epidermidemque circumscripte pallidam velantem osculis brevibus prominulis permeantibus. — *Fr. syst. II.* 477.

Ad ramos fraxineos et pruneos passim.

3796. *Sph. rhodostoma A. et Schw.*, pyreniis depresso-globosis concentrico-striatis sordide nigris subaggregatis, crustulae concolori hypophlocodi innatis osculoque denudato roseo epidermidem hinc adnatam perforantibus. — *Fr. syst. II.* 483. *A. et Schw. nisk.* 43. t. 4. f. 3. *Nees syst. f.* 338.

Ad ramos Rhamni Frangulae siccos passim. Vere.

*** *epiphlocodeae, pyreniis simplicibus astromatitiis epiphlocodeis, praeter basin adnatam liberis nec velatis, calvis, primum vertice papillatis, dein osculo tornato reclusis, nucleo gelatinoso, ascis elongatis septato-sporophoris farctis eoque exinanito saepius subsidentibus. (Sph. trib. 19. denudatae Fr.)*

3797. *Sph. stigmatella W.*, pyreniis microscopicis nigris nitidulis arcte adpressis convexiusculis, primum sparsis, dein aggregatis subcircinantibus, circulo nigro-punctatos maculares mentientibus. — *? Coniosporium circinans Fr. syst. III.* 257.

Ad vaginas Arundinis Phragmitis passim.

3798. *Sph. congregata W.*, pyreniis minutissimis confertissimis, cubilibus laxe adhaerentibus, subrotundis

hypophloeodeis amphigenis nigris inaequalibus sparsis gregariisve epidis interserviis obliterantibus astomis, demum vertice convexo emergentibus, intus albis. — *Fr. in lit. Dub. gall. II.* 710.

Ad folia Eryngii campestris arida. Hyeme.

3740. *Sph. sentina Fr.*, pyreniis depresso-globosis exiguis sparsis nigris, sub summa epidermidis pellicula delitescentibus illamque vertice hemisphaerico prominulo subinde rumpentibus semiperforantibus, intus albis. *Fr. syst. II.* 520.

Ad folia Pyri, communis et Mali putria. Hyeme.

3741. *Sph. epicymatia W.*, pyreniis minutissimis hemisphaericis atris nitidis, e basi symphloeode subtili in verticem convexum tenuissime papillatum, mox ostiolo angustissimo foratum abeuntibus, dein confertissimis confluentibus rugulosis cymatiorumque discum coloratum obliterantibus. — *Sph. epicymatia W. in lit.* 1818. *Fr. el. II.* 103. *Sph. lichenicola Sommerf. lapp.* 218. *Fr. l. l.*

Ad Lichenum plurimorum cymatia, v. c. Parmeliae subfuscae, (quae quidem P. atrae faciem exacte prae se ferre solent), P. fraxineae, Patellar. steliphorarum aliarumque.

3742. *Sph. hiana W.*, pyreniis minutissimis sparsis innatis nigris, e basi symphloeode in verticem prominulum convexum, mox ostiolo aperto hiantem excipuliformem abeuntibus cubilisque exasperantibus.

Ad pyra immatura humi putrescentia. Autumno.

3743. *Sph. stercoris DC.*, pyreniis minutissimis punctiformibus tectis ovoideis nitidis atris, dein vertice umbonato poro pertuso parce prominulis. — *DC. gall. II.* 791. *Fr. el. II.* 104. *Sph. stercoraria β. Fr. syst. II.* 456.

Ad fimum cervinum et leporinum siccum passim.

3744. *Sph. sthenographa W.*, pyreniis minutissimis sphaericis nigris symphloeodeis sparsim confertimque gregariis, dein vertice impresso subemergentibus, intus albidis. — *Sph. epidermidis v. minor auct.*

Ad ramos Pruni Cerasi rarius.

tenerrimis minimis mollibus fusco-ni
globosis papillatis, dein depressis per
II. 9. *f.* 71. *Fr. syst. II.* 461.

Ad ramulos putridos quercinos ra

3806. ***Sph. microthelia W.***, p
nitidis rigidis minutis, praeter basin
deo-liberis globoso-tornatis laevissim
acute-papillatis, dein osculo conformi

Ad ligna Prunorum vetusta simul

3807. ***Sph. Citrum W.***, pyre
globosis sparsis incusis laete citrinis,
ter adnatam liberis, vertice umbonat
aurantia inscriptis, mollibus, dein me
gelatinoso hyalino farctis.

Ad truncos alneos putredine exesc

3808. ***Sph. sanguinea Sibth.***
sparsis politis ovato-subglobosis minis
basin leviter adnatam liberis, vertice
turatiore inscriptis, mollibus, dein m
pressis. — *Fr. syst. II.* 453. *Nees sy
t.* 121. *Hyporylon phoeniceum Bull.*

Ad ligna putrida nec non ad Sphae

3809. ***Sph. episphaeria Tod.***
confertim gregariis politis ovato-subgl

hypophloeodeis amphigenis nigris inaequalibus sparsis gregariisve spatia internervia obliterantibus astomis, demum vertice convexo emergentibus, intus albis. — *Fr. in lit. Dub. gall. II.* 710.

Ad folia Eryngii campestris arida. Hyeme.

3740. *Sph. sentina Fr.*, pyreniis depresso-globosis exiguis sparsis nigris, sub summa epidermidis pellicula delitescentibus illamque vertice hemisphaerico prominulo sublevantibus semiperforantibus, intus albis. *Fr. syst. II.* 520.

Ad folia Pyri, communis et Mali putria. Hyeme.

3741. *Sph. epicymatia W.*, pyreniis minutissimis hemisphaericis atris nitidis, e basi synphloeode subtili in verticem convexum tenuissime papillatum, mox osculo angustissimo foratum abeuntibus, dein confertissimis confluentibus rugulosis cymatiorumque discum coloratum obliterantibus. — *Sph. epicymatia W. in lit.* 1818. *Fr. el. II.* 103. *Sph. lichenicola Sommerf. lapp.* 218. *Fr. l. l.*

Ad Lichenum plurimorum cymatia, v. c. Parmeliae subfuscae, (quae quidem P. atrae faciem exacte prae se ferre solent), P. fraxineae, Patellar. steliphorarum aliarumque.

3742. *Sph. hians W.*, pyreniis minutissimis sparsis insculptis nigris, e basi synphloeode in verticem prominulum convexum, mox osculo aperto hiantem excipuliformem abeuntibus cubiliaque exasperantibus.

Ad pyra immatura humi putrescentia. Auctumno.

3743. *Sph. stercoris DC.*, pyreniis minutissimis punctiformibus tectis ovoideis nitidis atris, dein vertice umbonato poro pertuso parce prominulis. — *DC. gall. II.* 791. *Fr. el. II.* 104. *Sph. stercoraria β. Fr. syst. II.* 456.

Ad fimum cervinum et leporinum siccum passim.

3744. *Sph. sthenographa W.*, pyreniis minutissimis sphaericis nigris synphloeodeis sparsim confertimque gregariis, dein vertice impresso subemergentibus, intus albidis. — *Sph. epidermidis v. minor auct.*

Ad ramos Pruni Cerasi rarius.

summum nigro-papillatum ocellatum tegmine nitroso tenui albo, dein in rimulas tenuissimas scisso obductis illoque dein deterso nigricantibus rugulosis. — *Sph. ovina auct.*

Ad truncos tiliaceos putres Thuring. passim.

3815. *Sph. Pulvis pyrius Pers.*, pyreniis parvis confertissimis, veluti in pseudostroma crustaceum confluentibus atris opacis, praeter basin adnatam (sessili hypophloeodeo-immersam) liberis ovato-subglobosis tenuissime rugulosis rigidis, vertice difformi compresso s. rimoso-sulcato, demum poro minutissimo pertusis. — *Pers. syn.* 86. *Neos syst. f.* 348. *Fr. syst. II.* 458.

Ad ramos (coryleos) siccos ubertim.

3816. *Sph. ooidea Fr.*, pyreniis sparsis ovatis opacis laevibus atris rigidis sparsis liberis, vertice tenuato, dein osculo subtilissimo pertusis. *Fr. l. l.*

Ad ligna exsiccata quercina rarius.

3817. *Sph. obducens Schum.*, pyreniis confertis ovato-rotundatis inaequalibus rigidis atris opacis parvis liberis, vertice obsolete papillatis, dein confluendo subangulatis, cubilia obliterantibus. — *Schum. saell. II.* 150. *Fr. l. l.*

Ad ramos decorticatos, fraxineos v. c. passim.

3818. *Sph. stercoraria Sow.*, pyreniis confertis globosis crasis rigidis nigris nitidis laevibus, vertice convexo papillatis, nucleo albo farctis. — *Sowerb. t.* 357. *Fr. syst. II.* 455. *excl. var. β.*

In fimo equino putri rarius.

3819. *Sph. spermoides Hoffm.*, pyreniis majusculis globosis sparsis rigidis nigris opacis subtilissime incusis, vertice convexo aequalibus epapillatis, dein poro pertusis, nucleo hyalino tunica incluso farctis, nunc confertissimis in basin attenuatis pseudostroma coccodes expansum mentientibus, nunc sparsis. — *Hoffm. l. l. t. 2. f. 3. Pers. syn.* 75. *Grev. scot. t. 6. Fr. l. l.* 457. *Sph. Granum Fl. dan. t. 1311. f. 1. Sph. globularis Batsch*

tibus, confertissimis, areolas maculares internervias multangulas punctato-scabras nigro-fuscas mentientibus. — *Fr. syst. II.* 439.

Ad folia Evonymi europaei putrescentia passim.

3751. *Sph. Taxi Sow.*, pyreniis minutis sparsis hypophloeodeis nigris orbiculatis, vertice umbonato summam epidermidis pelliculam nigro-pellucentem integram elevantibus centroque albicante perforantibus, nucleo albo farctis. — *Fr. syst. II.* 500.

Ad folia et ramulos languidos Taxi baccatae hort.

3752. *Sph. delitescens W.*, pyreniis exiguis tenerrimis subrotundis, primum hypophloeode-latitantibus dilute fuscescentibus, dein nigrescentibus, summam epidermidis pelliculam varie scissam elevantibus illamque translucentibus, demum vertice aperto hiantibus. — *?Sph. Mitribelii Fr. in Schltdl. Linn.* 1830. *p.* 548.

Ad foliorum Buxi hort. utramque faciem et ramos Thuring. passim. (Melius forsan sub Helicobolo genere militat, a *Sph. Buxi DC.* diversa.)

3753. *Sph. Corni Sow.*, pyreniis minutissimis gregariis hypophloeodeis globosis nigris, vertice convexo laevi epapillato summam epidermidis pelliculam integram nigro-translucentem sublevantibus exasperantibusque. — *Sowerb. t.* 370. *f.* 5.

Ad ramulos novellos Corni sanguineae languidos.

3754. *Sph. foveolaris Fr.*, pyreniis minutis majusculisve confertis hypophloeodeis depresso-globosis nigris, intus albis, vertice deplanato summam epidermidis pelliculam integram, halone nigro-pellucido subrotundo inustam centroque puncto aequali albo inscriptam comprehendentibus, demum convexiusculo perforantibus foveolasque depressas nigras relinquentibus. *Fr. syst. II.* 499.

Ad ramos mortuos Evonymi europaei passim.

3755. *Sph. sarmentorum Fr.*, pyreniis minutis sparsis hypophloeodeis orbiculatis, vertice depresso papillato summam epidermidis pelliculam, halone nigro-

3745. *Sph. eustoma Fr.*, pyreniis depresso-globosis hypophloeodeis atris, osculo umbilicato parce prominulis. — *Fr. elench. II.* 109.

Ad culmos graminum siccos. Auctumno sero.

3746. *Sph. duplex Sow.*, pyreniis depresso-globosis exiguis nigris sub summa epidermidis pellicula delitescentibus translucentibus illamque vertice depresso umbilicato prominulo, dein poro pertuso perforantibus. — *Fr. syst. II.* 520. *Sowerb. t.* 375. *Sph. translucens et Sph. paludosa Nees in lit.*

Ad culmos Arundinis Phragmitis, nec non ad folia Sparganii, Sagittariae, Typhae, Nardi aliorumque.

3747. *Sph. Pinastri DC.*, pyreniis depresso-globosis sparsis parvis nigris, sub summa epidermidis pellicula delitescentibus illamque umbone depresso comprehensam vertice prominulo acutiusculo longitudinaliter scissam leviter perforantibus. — *DC. gall. VI.* 133. *Fr. syst. II.* 488. *Cryptosphaeria Taxi var. Grev.*

Ad folia pinea humi putrescentia frequens.

3748. *Sph. Vincae Fr.*, pyreniis sparsis globosis nigris nitidis hypophloeodeis, dein vertice depresso albo summam epidermidis pelliculam perforantibus. — *Fr. in lit. Dub. gall. II.* 709.

Ad folia Vincae minoris languida. Auctumno.

3749. *Sph. Rusci W.*, pyreniis minutissimis sparsis nigrescentibus sub summa epidermidis pellicula delitescentibus illamque vertice orbiculato depresso laevi comprehensam aequaliter expansam translucentibus demumque poro circinato parce perforantibus. — *Sph. atro-cirrata β. Rusci Fr. syst. II.* 501. *Cryptosphaeria glaucopunctata Grev.*

Ad folia Rusci aculeati hortens. passim. Hyeme.

3750. *Sph. Evonymi Kz.*, pyreniis minutissimis atris, sub summa epidermidis pellicula delitescentibus innatis illamque vertice orbiculato depresso rugoso, primum comprehensam, dein vemiter fissam parce perfo-

tibus, confertissimis, areolas maculares internervias multangulas punctato-scabras nigro-fuscas mentientibus. — *Fr. syst. II.* 439.

Ad folia Evonymi europaei putrescentia passim.

3751. *Sph. Taxi Sow.*, pyreniis minutis sparsis hypophloeodeis nigris orbiculatis, vertice umbonato summam epidermidis pelliculam nigro-pellucentem integram elevantibus centroque albicante perforantibus, nucleo albo farctis. — *Fr. syst. II.* 500.

Ad folia et ramulos languidos Taxi baccatae hort.

3752. *Sph. delitescens W.*, pyreniis exiguis tenerrimis subrotundis, primum hypophloeode-latitantibus dilute fuscescentibus, dein nigrescentibus, summam epidermidis pelliculam varie scissam elevantibus illamque translucentibus, demum vertice aperto hiantibus. — *?Sph. Miribelii Fr. in Schltdl. Linn.* 1830. *p.* 548.

Ad foliorum Buxi hort. utramque faciem et ramos Thuring. passim. (Melius forsan sub Helicobolo genere militat, a *Sph. Buxi DC.* diversa.)

3753. *Sph. Corni Sow.*, pyreniis minutissimis gregariis hypophloeodeis globosis nigris, vertice convexo laevi epapillato summam epidermidis pelliculam integram nigro-translucentem sublevantibus exasperantibusque. — *Sowerb. t.* 370. *f.* 5.

Ad ramulos novellos Corni sanguineae languidos.

3754. *Sph. foveolaris Fr.*, pyreniis minutis majusculisve confertis hypophloeodeis depresso-globosis nigris, intus albis, vertice deplanato summam epidermidis pelliculam integram, halone nigro-pellucido subrotundo inustam centroque puncto aequali albo inscriptam comprehendentibus, demum convexiusculo perforantibus foveolasque depressas nigras relinquentibus. *Fr. syst. II.* 499.

Ad ramos mortuos Evonymi europaei passim.

3755. *Sph. sarmentorum Fr.*, pyreniis minutis sparsis hypophloeodeis orbiculatis, vertice depresso papillato summam epidermidis pelliculam, halone nigro-

pellucido subrotundo inscriptam poroque centrali nigro pertusam comprehendentibus, insculptis, nucleo dein nigrescente, ascis ovato-oblongis septatis foeto farctis. — *Fr. syst. II.* 498.

Ad sarmenta Menispermi canadensis hort. languida.

3756. *Sph. Visci DC.*, pyreniis confertim sparsis hypophloeodeis aëneo-nigris hemisphaericis, vertice convexo summam epidermidis pelliculam nigro-pellucentem elevantibus demumque varie scissam perforantibus ostioloque subrimoso nucleum nigro-virentem, ascis magis oblongo-cylindricis obtusis medio contractis bi-trisporis foetum cirrhosum projicientibus. — *DC. gall. VI.* 146. *Sph. atro-virens α. Visci Alb. et Schw. nisk.* 48. *t.* 2. *f.* 1. *excl. var. β. Schmidt l. l. t.* 1. *f.* 2. *Fr. syst. II.* 501. *excl. var. β. γ.*

Ad Viscum album languidum rarius.

3757. *Sph. apiculata W.*, pyreniis exiguis sparsis atris, e basi depresso-globosa hypophloeode obvelata in verticem convexiusculum, papilla apiculata scutiusculo similiterque pertuso, summam epidermidis pelliculam elevatam adnexam perforante coronatum dilatatis, nucleo atro.

Ad novellos Salicis vitellinae languidos.

3758. *Sph. sepincola Fr.*, pyreniis minutissimis confertim sparsis hypophloeodeis depresso-globosis nigris, vertice deplanato summam epidermidis pelliculam, hiatu subrotundo ovalique pallido nigro-limitato inscriptam comprehendentibus ostioloque centrali nigro tenui pertusis, intus albis. — *Fr. syst. II.* 498. *excl. syn. Sow.*

Ad ramos Rosarum, Salicum aliorumque fruticum.

3759. *Sph. culmifraga Fr.*, pyreniis minutis confertim sparsis, cubilium valleculas depressas parallele occupantibus, subseriatim compulsis nigris hemisphaericis, primum summa epidermidis pellicula hyalina tenuissima laxe velatis illamque lacero-scissam, vertice convexo rugoloso permeando sublevantibus. — *Fr. syst. II.* 500 *cum var. majore et minore.*

Ad caules herbarum, graminum culmos vitisque sarmenta.

3760. *Sph. fissa Pers.*, pyreniis parvis atris duris, rimum hypophloeodeis sparsis hemisphaericis, dein vertice incondito irregulariter rimoso summam epidermidis pelliculam permeantibus sensimque magis emergentibus, subglobosis confertissimis in crustam pseudo-stromaticam eriatam colliculosam veluti constipatis. — *Pers. syn.* 79. *Fr. syst. II.* 424. (*excl. stromate villoso fortuito.*)

Ad ramos Rosarum sylvestrium recisos humique jacentes.

3761. *Sph. Micula Fr.*, pyreniis globosis pruinatis albo-pallescentibus parvis sparsis, vertice papillato impresso fusco summam epidermidis pelliculam parce sciuentibus. — *Fr. elench. II.* 101.

Ad ramos languidos Rhamni alpini voges. (*Moug.*)

3762. *Sph. inquilina W.*, pyreniis immersis lacentibus tenuissimis pallescentibus, nucleo atro farctis, hypophloeodeis, dein ostiolo punctiformi nigro prominulis. — *W. in lit. Fr. elench. II.* 100.

Ad caules Heraclei Thuring. Auctumno.

3763. *Sph. herbarum Pers.*, pyreniis mole variis subgregariis atris, primum hypophloeodeis, vertice umbonato s. depresso-globoso papillato summam epidermidis pelliculam laxe obvelantem translucentibus deinque revelando excutientibus, praeter basin leviter adfixam liberis subrotundis caseiformibus centroque demum osculo prominulo pertuso umbilicato-depressis veluti epiphloeodeis, nucleo albo farctis. — *Pers. syn.* 79.

α. minor, pyr. parvis subrotundis. — *Sph. herbarum Fr. syst. II.* 511., *var. γ. tecta Pers. l. l.*

β. major, pyr. rotundatis majoribus. — *Sph. complanata Tod. mecl.* 21. *f.* 88. *Fr. l. l.* 508.; *Sph. herb. α. Pers. l. l.*

γ. conica, pyr. truncato-conicis. — *Sph. coniformis Fr. l. l.* 508.

Var. *α.* ad caules quoscunque languidos; *β.* ad scapos Alliorum, Asparagos, Armoracias auct. siccandos ubertim; *γ.* ad Crepidem tectorum. (Adulta habitum epiphloeoden edit moleque eximie variat.)

3764. *Sph. Lonicerae Sow.*, pyreniis globosis gregariis nigris tenuibus hypophloeodeis, dein erumpentibus subliberis, vertice subsidentibus, cupuliformibus s. lacero-diffractis. — *Sowerb. t. 393. f. 6. Fr. syst. II. 452.*

Ad ramos Lonicerae Periclymeni rarius. Autumno.

3765. *Sph. rugosa W.*, pyreniis parvis confertim-sparsis nigris, e basi globosa insculpto-hypophloeode obvelata abrupte in verticem, papilla sphaerica prominula corrugata coronatum summamque epidermidis pelliculam perforantem abeuntibus, nucleo hyalino farctis. — *Sph. occultata Fr. elench. II. 72. ad mea specim.*

Ad ramos Syringae putres passim

3766. *Sph. protracta Pers.*, pyreniis parvis nigris, e basi globosa insculpto-hypophloeode obvelata in verticem depressum, papilla subtili summam epidermidis pelliculam penetrante parceque prominulam abeuntibus sparsis confluentibusve, strias inordinatas per paria seriatas mentientibus. — *Pers. syn. 34. Nees syst. f. 322. Fr. syst. II. 425.*

Ad ramos Aceris campestris mortuos passim.

3767. *Sph. prorumpens W.*, pyreniis parvis sparsim-confertis, nonnisi aggregato-confluentibus atris, e basi globosa insculpta in verticem convexiusculum, praeter papillam conicam prominulam cubilia exasperantem hypophloeodeis, nucleo pulposo hyalino farctis. — *Wallr. in lit. Fr. syst. II. 357.*

Ad truncos caesos Viburni Opuli Thuring.

3768. *Sph. Spartii Nees*, pyreniis parvis nigris, e basi globosa insculpto-hypophloeode obvelata in verticem planiusculum rugulosum, osculo impresso obtuse pertusum, summam epidermidis pelliculam fissam aequaliter penetrantem dilatatis, sparsis, dein aggregato-confluentibus, veluti pseudostromate connexis. — *Nees in lit. Fr. syst. II. 424.*

Ad vitices Spartii scoparii languidos rarius.

3769. Sph. spurca *W.*, pyreniis parvis nigro-fusco

sparsis tenacellis, e basi depressa insculpto-hypophloeode obvelata in verticem hemisphaericum sordide fuscum incusum nigro-papillatum, dein osculo aequali pertusum abeuntibus summamque epidermidis pelliculam parcissime scissam elevantibus, nucleo atro-viridi concto, ascis solutis oblongis obtusis minutissimis uniseptatis foeto farctis.

Sub epidermide Rosarum sylvestr. in ramulis latet.

3770. *Sph. Amorphae W.*, pyreniis minutis sparsis s. aggregato-subseriatis nigris globosis, praeter verticem umbonatum summam epidermidis pelliculam subtiliter elevantem hypophloeodeis eamque dein scissam infarcientibus, nucleo gelatinoso atro, ascis solutis ovatis minutis uniseptatis foeto farctis.

Ad novellos Amorphae fruticosae frigore tactos. Auct.

3771. *Sph. eructans W.*, pyreniis minutis sparsis nigris globosis, nucleo atro-violaceo glutinoso farctis, praeter verticem umbonatum, dein ascis solutis ovato-oblongis obtusis opacis uniseptatis profusis inquinantibus elevato-emersum, hypophloeodeis.

Ad ramos juglandinos gelu tactos passim.

3772. *Sph. Xylostei Pers.*, pyreniis majusculis sparsis, saepius geminatis nigris, nucleo concolore farctis, primum insculpto-hypophloeodeis subglobosis, dein vertice umbonato papillato summam epidermidis pelliculam integram illamque ascis ovato-subrotundis, centro punctatis nigrescentibus transfusis intertextam longitudinaliter elevantibus basinque ellipticam nigrescentem mentientibus, demum poro pertusis parce prominulis. — *Pers. disp.* 4. *Fr. syst. II.* 487. *Sph. inquinans β. Xylostei Pers. syn.* 84.

Ad ramos Lonicerae Xylostei vivos et languidos.

3773. *Sph. inquinans Tod.*, pyreniis majusculis crassis sparsis nigro-fuscis, nucleo albo ascis nigris oblongis majusculis opacis foeto farctis, e basi globosa insculpta latitante in verticem mamillarem abrupte contractis ejusque apice epidermidem verrucosam, ascis profusis adglutinatis inquinatam perforantibus. — Tod. med. II.

17. *f.* 85. *Pers. syn.* 83. *Nees syst. f.* 356. *Fr. syst. II.* 486. *Nemaspora inquinans Spr. hal. Variolaria ellipsosperma Bull. t.* 493. *f.* 1.

Ad ramos acerinos, quos ascis profusis et adhaerentibus solet inquinare. (Synonyma l. titulum vagum praestant, nec alias excludunt similes, ascorum indole tamen facile dignoscendas.)

3774. *Sph. maculata W.*, pyreniis parvis sparsis nigro-fuscis, e basi globosa insculpta latitante, nucleo nigro, ascis nigro-violaceis oblongo-cylindricis utrinque acutiusculis trisporis pellucidis foetis farcta in verticem umbonatum contractis ejusque apice papillato verrucoso inquinato prominulis. — *Sph. inquinans auct.*

Ad ramulos carpineos siccos passim.

3775. *Sph. conspurcata W.*, pyreniis parvis teneris confertim sparsis, e basi globosa insculpta latitante, nucleo nigro, ascis cylindricis utrinque acuminatis trisporis foeta, in verticem abrupte papillatum, halone cinctum summam epidermidis pelliculam penetrantem abeuntibus ascosque in verrucam conicam colligentibus. — *Sph. inquinans auct. ?Nees syst. f.* 356. *Kunze D. Schw. n.* 180.

Ad ramos Pruni Padi siccos passim.

3776. *Sph. succincta W.*, pyreniis majusculis sparsis nigris, basi globosa insculpta latitantibus, nucleo utro glutinoso ascis nigris oblongo-cylindricis utrinque acutiusculis trisporis s. triseptatis foeto farctis, extus cingulo grumoso fusco obvallatis, vertice verrucoso summam epidermidis pelliculam demum perforantibus ascosque conglutinatos stipantibus. — *Sph. inquinans auct.*

Ad ramos Rhamni catharctici siccos passim. (*Sph. circumscriptam Kz.* fere aemulatur.)

3777. *Sph. pertusa Pers.*, pyreniis majusculis sparsis atris, e basi globosa insculpta in verticem umbonatum, demum papilla conica decidua ostiolo subrotundo patulo aequali pertusam abeuntibus eoque epidermidem scissam aequaliter infarcientibus. — *Pers. syn.* 83. *Fr. I.* 466.

Ad ramos acerinos siccos rarius.

3778. *?Sph. Eremita Rebent.*, pyreniis atris sparsis ligno immersis subprominulis cortice papillatis. — *Rebent. neom.* 336.
Ad ramos coryleos Neomarch. (*Rebentisch.*)

3779. *Sph. urceolata W.*, pyreniis parvis sparsis nigris, e basi globosa insculpta latitante in verticem planum, primum ascis coactis albis obturatum summaque epidermidis pellicula velatum dilatatis eaque demum secedente in osculum rotundum apertis vacuis urceolaribus.
Ad ramos carpineos siccos, alburno insculpta.

3780. *Sph. papillata Schum.*, pyreniis sparsis orbicularibus laevibus atro-fuscis, basi umbonata immersis, nucleo gelatinoso albo farctis, majusculis, vertice papillato obtuso dein impresso prominentibus. — *Schum. saell. II.* 161. *Fr. syst. II.* 461.
Ad lignum saliciuum putridum passim.

3781. *Sph. patellaris W.*, pyreniis sparsis orbiculatis atris hypophloeode-latitantibus, basi convexiuscula latiore epidermidi adnatis illamque dein vertice plano, primum membranula delicatissima concolore cum cubilibus confluente, dein ascis solutis oblongis atro-nitidis prorumpentibus in massam palpabilem coactis obtecto rotundato-scissam infarcientibus, effoetis vacuis patellaribus diu persistentibus.
Ad ramulos Pruni domesticae languidos Thuring. passim.

3782. *Sph. limitata Pers.*, pyreniis majusculis sparsis (raro confluentibus) atris, e basi subglobosa leviter insculpta umbonem convexum emersum, epidermide tenui velatum papillaque globosa prominula coronatum, nucleo pulposo hyalino farctum abeuntibus, dein hemisphaericis, osculo amplo pertusis. — *Pers. in lit. Sph. mamillana Fr. syst. II.* 487.
Ad ramos siccos Corni sanguineae et Rhamni passim.

3783. *Sph. clypeata Nees*, pyreniis majusculis gregariis atris, e basi depressa insculpta in verticem deplanatum, epidermide tenuiter velatum papillaque conico-

gulariter laceris. — *Dub.* (
Fr. syst. II. 495. *Hypoderr*
conigenum Pers. syn. 182.
β. ostiolata.
Ad conos dejectos abiet

3855. *Sph. glaucina*
rugoso-subverrucosis atris
scissam superantibus sublibe
osculo inaequali parce pert
Ad ramos betulinos lang

3856. *Sph. oppilata*
bus nigris opacis majusculis
tibus osculoque rimoso insc
In similibus cum pra
raro. Auctumno.

3857. *Sph. Berberid*
globosis sparsis aggregatisv
versicoloribus, junioribus
epidermidis pellicula velatis
farcientibus semiemergenti
rugoso-prominentibus melan
Nees syst. f. 324. *Fr. syst.*
Sph. rufo-fusca Fr. obs. (j
Ad ramos Berberidis lan

3858. *Sph. barbara*
sphaericis sparsis, primum
nereo-canescente tenui tectis
epidermidis pelliculam revel
semiliberis nigris, vertice c
voluto transverso inscriptis,
phium barbarum Fr. obs.
H. cinereum Pers. syn. 99.
Ad ramos putres, fraxin

3859. *Sph. Cistula*
nigris, praeter basin adnata
culatis ovalibusque utrinq

musculo lineato mediotenus sulco rimaeformi connivente depresso exaratis, nucleo albo collapso, ascis oblongis obtusis hyalinis tetrasporis foeto farctis, demum vacuis. — *Sph. truncata Fr. syst. II.* 468. *nec homonyma p.* 442. *et Schwein. Hysterium truncatum Pers. syn.* 98.

Ad truncos quercinos et betulinos imos patuos minime rara, a reliquis habitu aberrans.

** *labiatae, pyreniorum vertice cristato s. labellato.*

3860. *Sph. caulium Fr.*, pyreniis globoso-ellipticis nigris insculpto-hypophloeodeis, osculo nudo labiato lineari dehiscente parce prominulis. — *Fr. l. l.* 509.

Ad caules herbarum (Urticae) siccos passim.

3861. *Sph. Arundinis Necs.*, pyreniis subglobosis sparsis s. aggregato-confluentibus rigidulis nigris, primum insculpto-hypophloeodeis rugulosis, dein ostiolo crasso nudo compresso labiato prominulis. — *Nees in lit. Fr. syst.* 510. *Sph. cristata β. Pers. syn.* 54. *Sph. diminuens Pers.*

Ad culmos Arundinis Phragmitis siccos. Vere.

3862. *Sph. angustata Pers.*, pyreniis globosis sparsis nigris insculpto-latitantibus, nucleo albo farctis, labellum aequale lineare illud subaequans parce prominulum exserentibus. — *Pers. syn.* 55. *Fr. syst. II.* 470.

Ad ramos siccos Hederaeque vitices passim.

3863. *Sph. compressa Pers.*, pyreniis globosis sparsim confertis nigris insculpto-latitantibus, nucleo albo farctis, labellum e basi tumidula in limbum linearem abrupte tenuatum conchatum arcte clausum concolor duplo majus prominens exserentibus. — *Pers. syn.* 56. *t.* 2. *f.* 13. *Fr. syst. II.* 470.

Ad ligna decorticata duriora. Hyeme.

3864. *Sph. cristata Pers.*, pyreniis globosis parvis sparsis nigris insculpto-latitantibus, nucleo albo farctis, vertice hemisphaerico in ostiolum latum subcrenatum sensim compresso-cristatum dilatato prominulis. — *Pers. syn.* 54. *t.* 1. *f.* 15. *Nees syst. f.* 350. *Schmidt l. l. t.* 1. *f.* 9. *Fr. l. l. Lophium crenatum Fr. obs.*

Ad ramos Pruni, Corni, Fraxini siccos vulgaris.

truncata coronatum abeuntibus, dein subsidentibus tandemque amplo pertusis. — *Nees syst. f.* 355. *Fr. syst. II.* 457.

Ad ramos Rubi fruticosi. Vere. (*Nees.*)

3784. *?Sph. seminuda Pers.*, pyreniis sparsis nigris, basi ligno albicante insculptis s. veluti tegmine tenui albicante tectis, vertice conico acuto nuda prominulis, dein poro pertusis. — *Pers. syn.* 70. *Fr. syst. II.* 464.

Ad ligna exsiccata. (*Persoon.*)

3785. *Sph. albicans Pers.*, pyreniis majusculis sparsis s. seriato-confluentibus, e basi globosa ligno insculpta latitante, tegmine coacto candido foras profusa illaque veluti halone cingente tecta in verticem conversum magis minusve prominulum, papilla conica nigra nitida nuda coronatum abeuntibus. — *Pers. syn.* 70. *?Sph. mastoidea Fr. syst. II.* 463. (*pyreniis conicis.*) *Sph. confluens Tode l. l. t.* 10. *f.* 87. (*lusus confluens.*)

Ad corticem salicinum antiquum rarius.

3786. *Sph. Mamma W.*, pyreniis majusculis sparsis, nonnisi geminatis atris, e basi semiglobosa insculpta contracta in verticem cubilibus deplanando abruptis adpressum sensim conoideum, summa epidermidis pellicula diu velatum papillaque conica acuta insigni prominula coronatum abeuntibus, mammosis, nucleo pulposo hyalino farctis, demum osculo amplo rotundo patentibus, vacuis.

Ad ramos Ligustri siccos rarius.

3787. *Sph. Tiliae Pers.*, pyreniis magnis sparsis atris opacis hypophlocode-latitantibus, e basi depresso-globosa leviter insculpta abrupte in collum brevissimum, summam epidermidem perforans attenuatum verticeque emerso varieque figurato, nonnisi enormiter dilatato prominens productis eoque deciduo poro rotundo hiantibus. — *Pers. syn.* 84. *Nees syst. f.* 339. *Fr. syst. II.* 486. *Nemaspora Tiliae Rebent. neom.* 340. *Sph. ampullacea Pers. syn.* 41. (*pyreniis compositis, intus subcellulosis.*)

Ad ramos tiliaceos siccos, perquam versipellis.

ee pyreniis sparsis, summam epidermidem velantem, dein scissam apice prehendentibus illique detractae subtus adhaerentibus. (Sph. tribus 23. obtectae Fr.)

3788. ***Sph. vibratilis Fr.***, pyreniis sparsis convexis globoso-depressis tenerrimis aterrimis nitidis hypophloeodeis latiantibus osculoque subtilissimo summam epidermidem comprehensam perforantibus. *Fr. syst. II.* 84.

Ad ramos languidos Pruni domesticae passim.

3789. ***Sph. ditopa Fr.***, pyreniis globosis nigris, hinc urceolato-depressis sparsis hypophloeodeo-latitantibus osculoque in disco angustissimo heterogeneo prominulo summam epidermidem laxe adnatam permeantibus. — *Fr. syst. II.* 481. *Sph. alnea Pers. in lit. ? Sph. socia Nees in lit.*

Ad ramos alneos languidos frequens. Vere.

3790. ***Sph. Corticis Fr.***, pyreniis globosis majusculis sparsis hypophloeodeo-latitantibus osculisque subtilissimis summam epidermidem hinc appensam dein parce scissam perforantibus et veluti punctis picturantibus. — *Fr. syst. II.* 481. *Sph. millepunctata Dub. Cryptosphaeria millep. Grev. scot. t.* 201. *Sph. populina Pers. ic. 52. t. 21.*

Ad corticem ramorum populinorum passim.

3791. ***Sph. decedens Fr.***, pyreniis globosis immersis hypophloeodeo-latitantibus sparsis gregariisque nigris, osculis brevissimis summam epidermidem laceram perforantibus. — *Fr. l. l. Sph. tessella β. Pers. syn.* 48. *Nees syst. f.* 340.

Ad ramos coryleos passim. Vere.

3792. ***Sph. pruinosa Fr.***, pyreniis e basi globosa vasculosa nigra turgida, siccando urceolato-collapsa epidermidi innata, primum tegmine tenui albo-furfuraceo tecta, dein nuda abrupte in collum abbreviatum contractis, insculpto-latitantibus, demum osculo umbonato-mamillari, poro tenui pertuso nigro summam epidermidis pelliculam parce elevatam scissam perforantibus. *Fr. syst. II.* 486.

Ad ramos fraxineos languidos Thrg. vulgaris. Auct.

3793. *Sph. anserina Pers.*, pyreniis ovatis nigris (ligno) immersis cumque illo bullato-elevato prominulis osculisque papillato-teretiusculis perforantibus. — *Pers. icon.* 5: t. 1. *f.* 8. *Fr. syst. II.* 480.

Ad ligna sicca. (*Persoon.*)

3794. *Sph. ocellata Fr.*, pyreniis globosis atris sparsis immersis, osculo solitario umbilicato in disco albo truncato, epidermidem scissam infarciente prominulo colore veluti ocellato. — *Fr. syst. II.* 480. *Sph. Stictis Pers.*

Ad ramos fraxineos et salicinos languidos. Vere.

3795. *Sph. eunomia Fr.*, pyreniis parvis nigris liberis confertis s. subgregariis hypophloeode-latitantibus epidermidemque circumscripte pallidam velantem osculis brevibus prominulis permeantibus. — *Fr. syst. II.* 481.

Ad ramos fraxineos et pruneos passim.

3796. *Sph. rhodostoma A. et Schw.*, pyreniis depresso-globosis concentrico-striatis sordide nigris sub

3880. *Sph. pungens W.*, pyreniis exiguis confertim sparsis nigris, e basi hypophloeodea verticem hemisphaericum emersum, collo recto illis duplo longiore rigido fragili coronatum exserentibus.

Ad folia Lonicerae Xylostei putrida.

3881. *Sph. melanostyla DC.*, pyreniis depresso-globosis exiguis atro-fuscis hypophloeodeo-latitantibus sparsis, e vertice depresso collum capillare aequale quinquies sexiesve longius erectum exserentibus. — *DC. gall. VI.* 129. *Fr. l. l.*

Ex foliis tiliaceis putridis emergit.

3882. *Sph. curva W.*, pyreniis ovatis minimis atris hypophloeodeo-latitantibus ad greges determinatas sparsim compulsis, e vertice conico collum setaceum cylindricum opacum tenacellum, illis quadruplo longius incurvum exserentibus. — *?Sph. curvirostra auct. ?Sph. Capreae DC.*

Ad folia Ribes alpini putrida Thuring. rarius.

3883. *Sph. Gnomon Tod.*, pyreniis globosis exiguis nigris hypophloeodeo-latitantibus sparsis, dein vertice collapso concavo summam epidermidis pelliculam elevatam scindentibus collumque subtilissimum capillare rectum concolor, illis duplo longius emittentibus. — *Tode l. l. II.* 50. *f.* 125. *Pers. syn.* 61. *Fr. syst. II.* 517.

Ad folia corylea humi jacentia vulgaris. Vere.

3884. *Sph. tubaeformis Tod.*, pyreniis majusculis exacte globosis nigro-fuscis, foliorum parenchyma hypophloeode-infarcientibus, utrinque hemisphaerico-s. mamillari-prominulis, hinc (supra) clausis, hinc (subtus) in verticem umbonatum fuscum, summa epidermidis pellicula, dein radiatim fissa velatum, collo rostellato stricto robusto saturatius fusco oblique truncato rigido coronatum succrescentibus. — *Tode l. l. f.* 128. *Pers. syn.* 60. *Nees syst. f.* 343. *Fr. l. l.*

Ad folia dejecta alnea, betulina, ulmea aliaque. Vere.

3804. *Sph. pulveracea Ehrh.*, pyreniis confertis nigris nitidis rigidis minutis, praeter basin adnatam epiphloeodeo-liberis ovato-subglobosis tenuissime rugulosis, vertice convexo obtuse papillatis, dein poro pertenui pertusis. — *Pers. syn.* 83. *Fr. l. l.* 459.

Ad ligna faginea et quercina sicca passim.

3805. *Sph. mobilis Tod.*, pyreniis gregariis liberis tenerrimis minimis mollibus fusco-nigricantibus, primum globosis papillatis, dein depressis pertusis. — *Tod. mish. II.* 9. *f.* 71. *Fr. syst. II.* 461.

Ad ramulos putridos quercinos rarius.

3806. *Sph. microthelia W.*, pyreniis confertissimis nitidis rigidis minutis, praeter basin adnatam epiphloeodeo-liberis globoso-tornatis laevissimis, vertice convexo acute-papillatis, dein osculo conformi pertusis.

Ad ligna Prunorum vetusta simulac indurata.

3807. *Sph. Citrum W.*, pyreniis parvis tornato-

exsertum, primum obturatum convexum, dein osculo impresso pertusum fragile attenuatis.

In Salicibus cavis Thuring. rarius. Auctumno.

3902. *Sph. trichostema W.*, pyreniis sparsis nigris nitidis majusculis, e basi subglobosa (ligno) immersa insculpto-latitante, nucleo sordido farcta, abrupte in collum exsertum rugosum, pilis concoloribus rigidis patentibus s. divergentibus parcis horridum, primum obturatum convexum, dein osculo impresso pertusum fragile productis.

Ad ligna alnea, putredine uda exesa Thuring. rariss.

3903. *Sph. acuta Hoffm.*, pyreniis parvis hemisphaerico-globosis rigidis laevibus nitidis atris, dein epiphloeodeis epidermidem excutientibus, e vertice convexo collum rostellatum cylindricum rectum duplo saepe longius infraque apicem pleurostomum glabriusculum fragile exserentibus. — *Hoffm. veget. I. 21. t. 5. f. 2. Pers. syn. 63. Fr. syst. II. 507. Cryptosph. acuta Grev. scot. t 239. f. 1.*

Ad caules (Urticae, Ononidis, Solani) siccos vulgaris; ad Balloten vulgarem pyreniis duplo minoribus, rarius. Hyem.

3904. *Sph. crassicollis W.*, pyreniis globosis subtilissime laevibus opacis nigris confertis majusculis, e vertice convexo abrupte in collum breve rectum crassum, apice primum papilla sphaerica obturatum eaque dein decidua poro rotundo reclusum attenuatis.

Ad siphones abietinos subterraneos putres.

3905. *Sph. Penicillus Schm.*, pyreniis majusculis hemisphaericis tenacibus laevibus atro-fuscis hypophloeodeo emergentibus s. primitus liberis, vertice convexo collum rostellatum cylindricum breve, apicem inaequalem versus parce puberulum fragile exserentibus. — *Schmidt in lit. Fr. syst. II. 508.*

Ad caules Georginarum hortens. putres. Hyeme.

3906. *Sph. pleurostoma Kz.*, pyreniis sparsis ovatis firmis nigris laevibus exiguis epiphloeodeis, collum cylindricum tenue breve exserentibus. — *Kz. in lit. Fr. syst. II. 456.*

Ad ligna exsiccata. *(Kunze.)*

3907. *Sph. rostellata Fr.*, pyreniis globosis par
hypophloeodeo-insculptis gregariis, epidermidem
excutientibus collumque demum e vertice depresso
stellatum gracile cylindricum fragile acutum exserenti
— *Fr. syst. II.* 476. *Sph. Rubi Nees. Mart. Sph. Cl*
Schm. Sph. acuta β. Alb. et Schw. nisk. 25.

Ad sarmenta Ruborum sicca passim. Vere.

3908. *Sph. stricta Pers.*, pyreniis parvis conf
atris glabris globosis laevibus fragilibus, dein emerg
bus collumque rostellatum strictum crassiusculum illis
longius exserentibus. — *Pers. syn.* 59. *Fr. syst. II.*

Ad ligna quercina putrida. Vere.

3909. *Sph. cuspidata Fr.*, pyreniis confertis o
globosis rugulosis nudis atris majusculis, dein emerg
bus collumque cylindricum illis duplo longius exserent
— *Fr. syst. II.* 474.

Ad ligna faginea et carpinea. Vere.

3910. *Sph. rostrata Tod.*, pyreniis gregari
subconfluentibus nigris majusculis rugulosis, primum
pophloeodeo-latitantibus, dein emergentibus collu
longissimum inaequabile flexuosum compressiusculum
que sulcatum tenacellum exserentibus. — *Tode l.*
79. *Pers. syn.* 58. *Fr. syst. II.* 475.

Ad ligna putrida faginea passim.

B. stromaticae, pyreniis distinctis s. ve
bus umbonatis inter se confluentibus tegmenque c
guum, collis prominulis expunctum mentientibus, st
varium ex cellulis sphaericis fistulosisve meris inter
jugiter contextis compositum, jam inconditum plane,
ex pyreniorum parenchymate exundante venosum,
grumosum ab ipsis cubilibus s. cingulo depresso vas
que instar emerso exceptum, jam ad figuram ratam
nerique propriam redactum extus penitiusve infarcient
osculisque foras tendentibus prominulis semet praeno
tibus s. libere occupantibus, nucleo gelatinoso, ascis e
at perfectioribus facto farctis.

(*Sphaeriae: sect. epiphericae, amphiphericae, hypophericae et peripphericae Fr. syst. Sph. II. myelostromaticae Schmidt l. l. Sph. sect. 1-6 Pers. syn.*)

a. phlebostromaticae, pyreniis minutissimis plerumque hemisphaericis, e basi, stromatis loco massam conformem coactam tenerrimam serpentino-s. dendritico-figuratam emittentibus eique instratis, habitum fibrilloso-centrifugum mentientibus. (*Dothidea Asteroma Fr. Dub. Asteroma DC. Sphaeriae sp. auct.*)

3911. *Sph. venulosa W.*, pyreniis microscopicis nigris gregariis adnatis hemisphaericis, dein depressis centro obsolete-papillato albis, basi fibrillulas stromaticas adpressas delicatissimas concolores peripphericas emittentibus, greges concentricas maculari-punctatas mentientibus.

Ad folia Sparganii ramosi putria auctumno.

3912. *?Sph. dendritica W.*, pyreniis minutissimis depressis epapillatis nigris concatenatis, venulas adpressas divaricato-ramosas delicatissimas, veluti maculas rotundatas dendritico-expansas informantibus.

Ad folia Viburni Opuli putria rarius. Auctumno.

3913. *Sph. vernicosa DC.*, pyreniis minutis adnato-hemisphaericis nigris nitidis, dein depressiusculis papillatis, basi fibrillulas stromaticas innatas dilute fuscescentes furcato-ramosas protensas emittentibus iisque per anastomosin concatenatis, picturam oblongo-macularem venulosam nigro-punctatam praestantibus. — *DC. gall. VI.* 138. *Dothidea vernicosa Fr. syst. II.* 559.

Ad caules Chaerophyllorum siccos rarius. Hyeme.

3914. *Sph. geographica DC.*, pyreniis exiguis orbiculatis nigris, centro epapillato in discum marginatum veluti depresso deplanatis, juxta fibrillas stromaticas flexuosas seriatis, picturam catenuliformem serpentinam mentientibus. — *DC. l. l.* 138. *Dothidea geographica Fr. l. l. Phlyctidium geographicum Wallr. in litt.*

Ad folia (pyrina) putredine exesa rarius. Hyeme.

3915. *Sph. reticulata DC.*, pyreniis minutissimis

orbiculatis ovalibusque livide
presso reclusis dilutioribus s
que stromaticas concatenatas
DC. gall. l. l. Dothidea ret
catenulatum W. in lit.

Ad folia Convallariae Pol

2916. *Sph. abjecta W.*
rugulosis obsolete papillatis,
delicatissimas breves ramosa
confertissimis, centro depressi
xiusculos connexos mentient

Ad Veronicae officinalis

3917. *Sph. nerviseq*
nigris laevibus astomis nervi
latas mentientibus. — *DC.*
visequia Fr. l. l.

Ad folia viva Melampyri

3918. *Sph. stellaris*
centralibus, fibrillas stroma
radiantem palfidiorem conflu
que piceas tenuissimas effus
Dothidea stellaris Fr. syst.
DC. Xyloma stellare Pers.

Ad folia Phyteumatum et

3919. *?Sph. Asteroma*
confertis, fibrillas stromatica
culas nigras subrotundas n
Dothidea Asteroma Fr. l. l.
et Polygonati DC. l. l.

Ad folia languida Conval
tariae passim, si quidem sati

3920. *Sph. Himantia*
seriatis nigris, fibrillas strom
beras, centro confluentes occ
expansam mentientibus. —
mantia Fr. syst. II. 559.

Ad caules plantarum vic

b. triptostromatiſae, stromate syn-s. hypophloeode ex cellulis subrotundis liberis inconditis laxe congestis composito, sive ab ipsis cubilibus, sive conceptaculis conformibus magis stipatis cinguli-s. vasculiformibus camprehenso, intus grumoso s. farinoso prorsusque a figuratione rata alieno, pyrenia calva lepto-s. ceratostoma indita, vix nisi apice prominula fovente. (*Sph. tribus* 7-17 *Fr. syst.*)

a. cubiculares, pyreniis lepto-s. ceratostomis tectis, stromate syn-s. hypophloeode grumoso, cubilium saepe vegetorum parenchymate excepto summaque epidermidis pellicula inde decolore integra obvelato comprehensis, veluti conceptaculo spurio at determinato cubiculari fotis. (*Sph. trib.* 15. 16. *seriatae et confertae Fr. Sph. granulatae Schm. Sph. monostichae Pers.*)

† *brachystomae, pyreniis subastomis.*

3921. *Sph. thoracella Rutstr.*, pyreniis microscopicis synphloeodeis tenerrimis albo-farctis astomis latitantibus, summae epidermidis cellulas infarcientibus stromaque tenerrimum determinatum oblongum piceum tenuissime rugulosum, haloue flavente circumscriptum, intus obsolete grumosum informantibus. — *Rustr. dissert.* 17. *Ectostroma Sedi Fr. syst. II.* 602.

Ad caules Sedi Telephii languidos passim. Auctumno.

3922. *Sph. melaena Fr.*, pyreniis subglobosis seriatis albo-farctis astomis synphloeodeis, summam epidermidem nigricantem constipantibus maculamque indeterminatam effusam informantibus. — *Fr. syst. II.* 431.

Ad caules Lathyrorum et Astragalorum siccos.

3923. *Sph. picea Pers.*, pyreniis sparsis mollibus subdepressis hypophloeodeis astomis, dein pertusis, summa epidermidis pellicula piceo-denigrata tectis, maculam opacam elongatam mentientibus. — *Pers. syn.* 31., *ison. t.* 10. *f.* 7. *Fr. l. l.*

Ad caules (Artemisiae) aridos passim. Vere.

3924. *Sph. denigrata W.*, pyreniis minutissimis

3834. *Sph. depilata Fr.*, pyrenüis minimis epi
phloeodeis subovatis laevibus atris, praeter basin setul
brevibus cinctam calvis. — *Fr. l. l.*
Ad Polyporum indurescentem rarius.

3835. *Sph. Vermicularia Nees*, pyrenüis erum
subdepressis epiphloeodeis atris minimis astomis confert
extus undique setulis erectis concoloribus textis, nucle
ascis amplis ovatis annulatis octo fartis. — *Nees syst*
f. 347. *Fr. syst. II.* 451.
Ad ligna pinea putredine exesa. Hyeme.

3836. *Sph. comata Tod.*, pyrenüis rotundatis ob
tusis majusculis fragilissimis nigris astomis epiphloeodeis
sparsis, vertice pilis longissimis in comam congestis fi
stigiatis adspersis, dein calvescentibus. — *Tode l. l. f.* 9.
Pers. syn. 88. *Fr. syst. II.* 501. **Chaetomium comatum**
Fr. syst. III. 253.
β. capillata, pyrenüis subglobosis nigro-fuscis, e

leviter adfixis nigro-fuscis, extus praeter verticem tenuiter papillarum vellere delicato rufo-ferrugineo, dein sordide fusco vestitis, demum calvis, nucleo albo tenui.

Ad stipites Brassicae oleraceae putres rarissime.

2840. *Sph. canescens Pers.*, pyreniis globosis epiphloeodeis aggregatis hirsutis papillatis incanescentibus fragilibus parvis, demum subconfluentibus. — *Pers. syn.* 72. *Fr. syst. II.* 448.

Ad ramos quercinos putres et fagineos rarius.

2841. *Sph. calva Tod.*, pyreniis sparsis globosis epiphloeodeis papillatis atris, inferne pilis brevibus hispidis, vertice dein calvis nitidis depressis. — *Tode l. l. f.* 83. *Fr. syst. II.* 451.

Ad ramulos exsiccatos raro. Auctumno.

2842. *Sph. basitrichia W.*, pyreniis sparsis minutis epiphloeodeis subrotundis nigris, basi adpressa pilos concolores horizontaliter expansos breves rigidos tentaculatos exserentibus, vertice obtuso papillato depressis calvis.

Ad ligna corylea rarius. (Pezizae tentaculatae *W. fl. cr. II.* 460. similis.)

2843. *Sph. crinita Pers.*, pyreniis subglobosis laevibus atris epiphloeodeo-liberis, pilos confertos molles alios exserentibus, alios productiores cubilia obtexentes emittentibus, fragilibus, vertice convexo obsolete papillato. *Pers. syn.* 72. *Fr. syst. II.* 450.

Ad ligna putredine uda exeso passim.

2844. *Sph. araneosa Pers.*, pyreniis majusculis subgregariis subovatis papillatis laevibus nigris epiphloeodeis, villo delicatissimo albicante tectis. — *Pers. icon.* 24. *t.* 7. *f.* 6., *syn.* 67. *Fr. syst. II.* 447.

Ad ramos siccos. (Dubia, forsan juvenis.)

2845. *Sph. strigosa A. et Schw.*, pyreniis aggregatis epiphloeodeo-liberis ovato-subglobosis papillatis nigris majusculis tenacellis, extus setis longis rigidis undique

globosis, vertice convexo s
sparsis brevibus pellucidis
depresso-umbilicatis, nucle
riatis foeto farctis, poro te
Ad truncos Pyri caesos

3847. *Sph. hispida*
epiphloeodeis ovato-conicis
pilis brevibus parcis adsper
l. l. f. 84. *Pers. syn.* 71. *
scot. t. 82.
Ad ramos decorticatos

3848. *Sph. pilosa Pe*
subrotundis epiphloeodeo-li
convexo subostomis. — *Pers*
Ad ligna putrida passim

3849. *Sph. auricoma*
confertissimis epiphloeodei
extus praeter verticem conv
dum concolorem vellere deli
eoque nonnisi basin versus
Ad virgas salicinas decor

3850. *Sph. ovina Per*
epiphloeodeis globoso-tornat
fusco-nigris, nucleo gelatin

autem permeantibus tuberculaque rugulosa exigua hyophylla constituentibus. — *Fr. in lit. Dub. gall. II.* 696.

Ad folia Ulmi suberosae decidua passim.

3939. *Sph. cellulosa W.*, pyreniis exilissimis depresso-globosis tenerrimis, nucleo livido gelatinoso farctis, stromate hypophloeode nigro-olivaceo tenui exceptis, dein summam epidermidis pelliculam constipatam nigro-maculatam vertice pallidiore subtilissime elevantibus, maculis oblongas effusas nigras nitidulas albido-punctatas mentientibus.

Ad caules Asclepiadis syriacae siccatos. Hyeme.

3940. *Sph. Anethi Pers.*, pyreniis minutissimis confertissimis globosis nigris rigidulis, basi rugulosa libera stromate hypophloeode olivaceo tenui exceptis, nucleo ceraceo albo farctis, dein vertice impresso papillato conato summam epidermidis pelliculam tenuiter velantem comprehendentibus translucendoque signantibus, strias parallelas interstitiales, saepius interruptas colliculosas praeeuntibus. — *Pers. syn.* 30. *Fr. syst. II.* 429. *Sph. microscopica Fhrh.*

Ad caules Anethi graveolentis siccos. Hyeme.

3941. *Sph. subscripta W.*, pyreniis exilissimis depresso-globosis tenerrimis, nucleo ceraceo cinereo farctis, stromate hypophloeode dilute fusco grumoso tenuato exceptis confertissimis, dein summam epidermidis pelliculam integram constipatam aequaliter obvelantem punctatoelevantibus maculasque nigro-fuscas opacas limitatas elongatas praestantibus. — *?Sph. striaeformis Pers. syn.* 32.

Ad caules Pastinacae sativae passim. Auctumno.

3942. *Sph. arundinacea Sow.*, pyreniis globosis confertissimis connatis ostomis 1-2 seriatis hypophloeodeis nigris, intus subconcoloribus, stromati obsoleto impositis, demum summam epidermidem sciadentibus striasque simplicissimas breves angustas, facile confluentes mentientibus. — *Sowerb. t.* 336. *Fr. syst. II.* 429. *Sph. striaeformis Arundinis Alb. et Schw. nisk.* 15.

vertice convexo s. compresso
liculam elevantibus tenuiterqu
que maculas ovales effusas f
punctatas mentientibus. — *F*
formis β. Junci Alb. et Schw
Ad Junci communis culm

3934. ***Sph. striaeform***
seriatis albo-farctis astomis
ceolatas breves acutas nigras
que decolorem demum in ri
tibus. — *Fr. l. l. et auct. p*
Ad caules herbarum (Epilo

3935. ***Sph. maculari***
bosis minutissimis nigro-fusc
fertissimis, stroma granosam
pantibus, erumpendo summ
perforantibus. — *Fr. syst.*
Ad folia Populi tremulae

3936. ***Sph. insularis***
globosis gregariis nigris, unc
stromate tenui grumuloso fus
deia vertice convexo tenuiter
lasque rotundato-angulatas
— *Sph. maculaeformis auct.*
Ad folia ulmea et corylea

3937. ***Sph. conglome***
minutissimis nigro-fuscis conf
mis insculpto-hypophlocodeis,
stromati innato fusco tenuiss
vario, saepius impresso prom
hypophyllos parvos constitue
Ad folia alnea dejecta vul

3938. ***Sph. Oedema F***
tissimis nigris confertissimis
fusco, summa epidermidis pell
ceraceo albo farctis, deia em

rinsculo lineato mediotenus sulco rimaeformi connivente depresso exaratis, nucleo albo collapso, ascis oblongis obtusis hyalinis tetrasporis foeto farctis, demum vacuis. — *Sph. truncata Fr. syst. II. 468. nec homonyma p. 442. et Schwein. Hysterium truncatum Pers. syn. 98.*

Ad truncos quercinos et betulinos imos patruos minime rara, a reliquis habitu aberrans.

** *labiatae, pyreniorum vertice cristato s. labellato.*

2860. *Sph. caulium Fr.*, pyreniis globoso-ellipticis nigris insculpto-hypophloeodeis, osculo nudo labiato lineari dehiscente parce prominulis. — *Fr. l. l. 509.*

Ad caules herbarum (Urticae) siccos passim.

2861. *Sph. Arundinis Nees*, pyreniis subglobosis sparsis s. aggregato-confluentibus rigidulis nigris, primum insculpto-hypophloeodeis rugulosis, dein ostiolo crasso nudo compresso labiato prominulis. — *Nees in lit. Fr. syst. 510. Sph. cristata β. Pers. syn. 54. Sph. diminuens Pers.*

Ad culmos Arundinis Phragmitis siccos. Vere.

2862. *Sph. angustata Pers.*, pyreniis globosis sparsis nigris insculpto-latitantibus, nucleo albo farctis, labellum aequale lineare illud subaequans parce prominulum exserentibus. — *Pers. syn. 55. Fr. syst. II. 470.*

Ad ramos siccos Hederaeque vitices passim.

2863. *Sph. compressa Pers.*, pyreniis globosis sparsim confertis nigris insculpto-latitantibus, nucleo albo farctis, labellum e basi tumidula in limbum linearem abrupte tenuatum conchatum arcte clausum concolor duplo majus prominens exserentibus. — *Pers. syn. 56. t. 2. f. 13. Fr. syst. II. 470.*

Ad ligna decorticata duriora. Hyeme.

2864. *Sph. cristata Pers.*, pyreniis globosis parvis sparsis nigris insculpto-latitantibus, nucleo albo farctis, vertice hemisphaerico in ostiolum latum subcrenatum sensim compresso-cristatum dilatato prominulis. — *Pers. syn. 54. t. 1. f. 15. Nees syst. f. 350. Schmidt l. l. t. 1. f. 9. Fr. l. l. Lophium crenatum Fr. obs.*

Ad ramos Pruni, Corni, Fraxini siccos vulgaris.

3865. *Sph. libera Tod.*, pyreniis hemisphaericis majusculis sparsis atris opacis incondito-rugulosis, basi adnatis, vertice convexo papillam compressam exserentibus eaque decidua osculo labiato dehiscentibus, nucleo albo farctis. — *Pers. syn.* 54. *Sph. macrostoma δ. libera Tode l. l.*

Ad cortices Pyri domesticae antiquos rarius.

3866. *Sph. ventricosa Pers.*, pyreniis confertis majusculis atris utrinque attenuatis mediotenus ventricosis mollibus, demum ostiolo lato sublabiato dehiscentibus. — *Pers. syn.* 76., *icon.* 64. *t.* 24. *f.* 8. *Fr. syst.* II. 457.

Ad ramulum exsiccatum. (*Alex. de Humboldt.*)

3867. *Sph. cirrhosa Pers.*, pyreniis sparsis nigris subglobosis immersis, nonnisi fibrillulas exsercatibus, demum collo spinuloso rudi subfalcato glaberrimo nudato emersis transversimque hiantibus. — *Pers. syn.* 59., *icon. l. l. f.* 3. *Nees syst. f.* 352.

Ad ligna putredine nda consumta rarius. Germa-

-grumosum infarcientibus, aream tuberculosam pla-
lam angulato-difformem epiphyllam praestantibus.
ll in D. Schw. n. 29. *Dothidea betulina Fr. syst.*
. *Sph. xylomoides Fr. Xyloma betulinum Hoppe. DC.*
folia betulina vegeta. Aestate sera passim.

18. *Sph. Ulmi Duv.*, pyreniis minutis teneris,
albo ceraceo farctis, stroma tuberculosum hemi-
ico-subrotundum, intus stipato-grumosum nigro-
, primum summa epidermidis pellicula velatum,
udiusculum extus alutaceum nigrum, verticibus
ulis verruculosum infarcientibus, cicatriculam con-
asperulam mentientibus. — *Duval in Hopp. Tasch.*
.105. *Nees syst. f.* 21. *Xyloma stictieum Mart. crl.*
ph. xylomoides DC. Dothidea Ulmi Fr. syst. II.
ph. Ulmaria Sowerb. t. 374.
folia Ulmi campestris putrida. Hyeme.

19. *Sph. Dothidea Moug.*, pyreniis minutis
subglobosis nigris, nucleo albido ceraceo farctis
, stromate tuberculoso umbonato circumscripto hy-
eodi, intus fusco-grumoso insculptis, extus epider-
stipatam inaequaliter scissam, vertice incondito
antibus, tuberculum clypeatum rotundum insigne
m fusco-nigrum mentientibus.
Fraxini. — *Sph. Dothidea Moug. Fr. l. l.* 423.
Rosae. — *Sph. Doth. β. Rosarum Fr. elench. II.*
locoscoria umbonata W. Naturg. d. Fl. 1. *Sph.*
cosa Pers. in lit. Xyloma Rosae DC. gall. VI.
r. pr. Sph. Rosae Schleicher.
ramos Fraxini rarius, multo saltem frequentius
sae Cynorrh. truncos et ramos vegetos Thrg. Aest.

ceratostomae, pyreniis in colla exserta productis.

50. *Sph. Coyli Batsch*, pyreniis hemisphaericis
-synphloeodeis teneris sparsis confertisque, tegmine
so candido latente fotis, extus summa epidermidis
la denigrata nitidula jugiter obvelatis collumque
atum teretiusculum rectum corneum nigrum, apice
to poro pertusum, basi cortinula candida redimitum.

† *epiphyllae, pyren. synphloeodeis ex folior chymate subcuntibus.* (*Sph. foliicolarum. sp. F*

* *leiopyreniae, pyreniis calvis.*

3874. *Sph. erythrostoma Pers.*, pyre subglobosis synphloeodeis, summum epidermid lam in fibrillulas radiantes delicatissimas dehis levantibus verticeque dein depresso collum b dricum obtusum compactum rubellum exser *Pers. syn.* 81. *Fr. syst. II.* 521.

Ad folia Pruni avium languida. Vere.

3875. *Sph. Grossulariae Fr.*, pyre synphloeodeis globosis utrinque prominulis a albido-cellulosis, puncto centrali nigro inscriptis, vissimum tenuiter pertusum exserentibus. *Fr. sy*

Ad folia putrida Grossulariae rarius.

3876. *Sph. amoena Nees*, pyreniis s phloeodeis subglobosis atris, in collum duplo

ia velata hypophloeode parasita.

h. syncephala W., pyreniis minutis 15-
ophloeodeo-latitantibus circinatis, corculum
scum circumvallantibus, e basi ovato-obloa-
m sensim tenuatis osculisque in capitulum
exiguum nigrum, epidermidem fissam per-
entibus, tuberculum unguiculatum epiphloe-
tibus.
s alneas effossas Thuring. passim.

h. convergens Tod., pyreniis minutis
is circinatis hypophloeodeis, in colla con-
tia attenuata iisque apice pertusis conjunctis,
ermidem fissam subaequalem perforantibus.
II. 39. *f.* 111. *Pers. syn.* 46. *Sowerb. t.*
. syst. l. l.
em ramorum laevem rarius.

h. acclinis Fr., pyreniis minutissimis sub-
is erectis laxe circinatis hypophloeodeis, in
tipata globoso-teretia nitida crassiuscula ob-
s prominulis. — *Fr. syst. II.* 410.
juniores Pyri Mali rarius.

h. socialis Kz., pyreniis globosis parvis
to-latitantibus senis, stroma tenue grumo-
subrotundum hypophloeodes occupantibus
oso-elevatum collis productis perforatis sub-
essis nitidis conjunctis obsidentibus. — *Sph.*
e in lit.
betulinas agri lips. (*Kunze*) et alibi.

h. conjuncta Nees, pyreniis globosis
octonisve confertim circinatis insculpto-lati-
irculum regularem constipatis, collis in di-
losum nitidum connatis, epidermidem transi-
Nees syst. 305. *f* 337. *Fr. l. l.*
coryleos passim. Vere.

h. umbilicata Pers., pyreniis exiguis
is subternis circinatis insculpto-latitantibus,

in colla brevia, apice profu
dermidemque transigentibu
Pers. syn. 45. *Fr. l. l.*

Ad ramos coryleos rari

3960. ***Sph. decumbe***
globosis nigris subsenis co
colla subteretia brevia rigi
cylindricum juncta producti

Ad ramos pineos Lusat

3961. ***Sph. quatern***
aculis hypophloeodeo-lati
fragilibus nigris quaternis
angulatis, e basi applanata
dein impresso-umbonata co
lisque brevissimis obtusis
epidermidem aequalem per
stromaque verrucosum exp
syn. 45. *t.* 2. *f.* 1. *Nees s*

Sub epidermide ramor.

3962. ***Sph. vasculo***
nigris senis denisve circin
mosa pallida parce obvalla
lindrica attenuatis illisque
crassatis emersis, discum su
fissam infarcientem mentie
Sph. oblonga Sowerb. t. 3

Ad ramos betulinos rar

†† *ceratostomae, pyrc*
productis.

3963. ***Sph. hypoder***
minutissimis paucis laxe
massa crustulata nigra tect
ferta, tuberculum nigrum e
— *Fr. syst. II.* 407.

Ad ramulos languidos

3964. *Sph. operta Schm.*, pyreniis exiguis globosis nigris immersis laxe irregulariterque aggregatis, massa grumosa tenui nigra obductis, in colla recta subconvergentia scabriuscula, epidermidem transeuntia elongatis. — *Schmidt in myk. Hft. I. 60. Fr. l. l.*

Ad ramos populinos rarius. Auctumno.

3965. *Sph. Strumella Fr.*, pyreniis parvis nigris octonis denisve hypophloeodeis, corculum grumosum album circinatim occupantibus, e basi ovata in colla conniventia latitantia attenuatis iisque emersis discum nigrum tuberculosum, epidermidem transversim scissam elevatam informantibus ostiolisque rectis exsertis nitidis pertundentibus, tubercula strumosa elliptica nigra spiculosa mentientibus. — *Fr. syst. II. 365. Sph. olivacea Ehrenb. sylv. 16. Sph. Grossulariae Nees in lit.*

Ad ramos siccos Grossulariae, Viburni aliarumq. (Collorum morphosi desciscit et ad Sph. confluentes vergit.)

3966. *Sph. Persoonii W.*, pyreniis globosis pusillis globosis subsenis hypophloeodeis nigris, in colla teretia erecta aequalia distincta attenuata, epidermidem pustulatam fissam permeantia productis. — *Sph. Frit Fr. syst. II. 395. Sph. coronatae var. alia Pers. syn. 41.*

Ad ramos Aceris Negundinis hort. thuring. rarissime.

3967. *Sph. coronata Hoffm.*, pyreniis minutissimis insculpto-hypophloeodeis senis denis stipato-circinantibus ovato-oblongis nigris laevibus, epidermidem orbiculato-umbonatam fusco-nigram, halone saturatiore circumscriptam elevantibus deinque collis cylindricis teretibus perforantibus forasque solutis rostellatis fasciculatis subclavatis nitidis libere emergentibus. — *Hoffm. veg. cr. 26. t. 5. f. 2. Pers. syn. 43. Schm. l. l. t. 1. f. 14. Fr. syst. II. 395.*

Ad ramulos Corni albae et Crataegi rarius.

3968. *?Sph. pentagona Pers.*, pyreniis majusculis insculpto-hypophloeodeis nigris circinatis, in colla recta nitida primum sulcato-angulata dein pentagona, cylindri-

3896. *Sph. infarciens W.*, pyreniis etiam nigris nitidis laevissimis, e basi semiglobosa el compressa lignum infarciente in verticem umb collo brevi acuto recto coronatum abeuntibus.

Ad ramos sambucinos cito decorticatos putres.

3897. *Sph. brachystoma W.*, pyreniis praeter basin insculptam sessilibus epiphloeodeis atris nitidis minutis abrupte in collum pertusum illa subaequans abeuntibus, nucleo albo farcta. *mammaeformis auct.*

Ad ligna putrida salicina passim. Auctumno.

3898. *Sph. orthoceras Fr.*, pyreniis globos praeter basin insculptam liberis subseriatis, coll conico-cylindrico summam pelliculam perforan *Fr. elench. II.* 97.

Ad caules Lapsanae siccos passim. Auctumn

3899. *Sph. putaminum Fr.*, pyreniis spar

exsertum, primum obturatum convexum, dein osculo impresso pertusum fragile attenuatis.

In Salicibus cavis Thuring. rarius. Anctomno.

2902. *Sph. trichostoma W.*, pyrenüis sparsis nigris nitidis majusculis, e basi subglobosa (ligno) immersa inaequalo-latitante, nucleo sordido farcta, abrupte in collum exsertum rugosum, pilis concoloribus rigidis patentibus s. divergentibus parcis horridum, primum obturatum convexum, dein osculo impresso pertusum fragile productis.

Ad ligna alnea, putredine uda exesa Thuring. rariss.

2903. *Sph. acuta Hoffm.*, pyrenüis parvis hemisphaerico-globosis rigidis laevibus nitidis atris, dein epiphloeodeis epidermidem excutientibus, e vertice convexo collum rostellatum cylindricum rectum duplo saepe longius infraque apicem pleurostomum glabriusculum fragile exserentibus. — *Hoffm. veget. I. 21. t. 5. f. 2. Pers. syn. 62. Fr. syst. II. 507. Cryptosph. acuta Grev. scot. t 239. f. 1.*

Ad caules (Urticae, Ononidis, Solani) siccos vulgaris; ad Ballotas vulgarem pyrenüis duplo minoribus, rarius. Hyem.

2904. *Sph. crassicollis W.*, pyrenüis globosis subleevibus sparsis nigris confertis majusculis, e vertice convexo abrupte in collum breve rectum crassum, apice primum papilla sphaerica obturatum eaque dein decidua poro rotundo reclusum attenuatis.

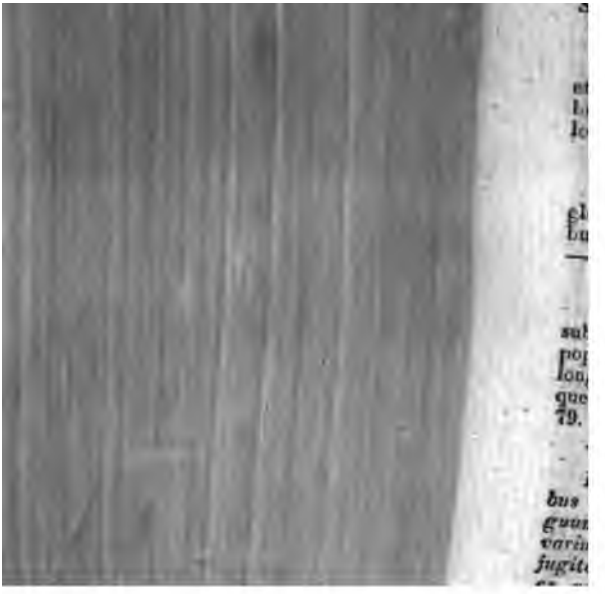
Ad siphones abietinos subterraneos putres.

2905. *Sph. Penicillus Schm.*, pyrenüis majusculis hemisphaericis tenacibus laevibus atro-fuscis hypophloeodeo emergentibus s. primitus liberis, vertice convexo collum rostellatum cylindricum breve, apicem inaequalem versus parce puberulum fragile exserentibus. — *Schmidt in lit. Fr. syst. II. 508.*

Ad caules Georginarum hortens. putres. Hyeme.

2906. *Sph. pleurostoma Kz.*, pyrenüis sparsis ovatis firmis nigris laevibus exiguis epiphloeodeis, collum cylindricum tenue breve exserentibus. — *Kz. in lit. Fr. syst. II. 456.*

Ad ligna exsiccata. *(Kunze.)*



disco erumpente pallido-lutescente farctam osculis
ovatis pertusis prominentibus occupantibus. — *Fr*
II. 399. *Sph. Saturnus Sowerb. t.* 218. *Sph. Hystri*
(*t. rostellatus*) *Sph. Radulae var. Alb. et Schw.*
Ad ramos quercinos emortuos rarius. Auctumn

3982. *Sph. Abietis Fr.*, pyreniis ovatis nigri
funde immersis numerosis aggregatis, in colla o
nitida umbilicato-pertusa in discum, stromate tenu
circtum implexa productis eorumque osculis prominu
Fr. syst. II. 398. *excl. var. β. Sph. Pinastri Gr. scot.*
Ad corticem abietinum squamosum. Auctumno

3983. *Sph. Pini A. et Schw.*, pyreniis ovat
nutissimis copiosissimis nigris epiphloeodeis, epider
subtus albidam pustulatam elevantibus, in colla c
gentia stromate flavido tecta abeuntibus osculisqu
sertis obtusis subglobosis aequaliter constipatis em
tibus. — *Alb. et Schw. nisk.* 20. *t.* 8. *f.* 1. *Fr.*
397. *Sph. leucophaeata Rebent. neom.* 329. *t.* 1. *f*
Ad corticem Pini sylvestris rarius. Auctumno.

3984. *Sph. decorticans Fr.*, pyreniis con
aggregatis subdiffiormibus nigris hypophloeodeis,
minutis confertis globosis umbilicatis nitidis stipat
dermidem demum excutientibus. — *Fr. syst. II.*
Ad ramos siccos fagineos v. c. et sorbeos. Ve

3985. *Sph. lixivia Fr.*, pyreniis globosis
nigris hypophloeodeis, collis erumpentibus opaci
globosis corculum gelatinosum flavum laxe ambeu
— *Fr. syst. II.* 385.
Ad ramos juglandinos putres rarius. Auctumn

3986. *Sph. dimorpha W.*, pyreniis obovat
Ophloeodeis senis denis nigro-fuscis opacis, i
cylindrica brevia productis, apice aequali truncato
catis, centrale ampullaeforme obtusum nonnisi pe
plo majus arcte ambeuntibus unumque vasculos
ti mentientibus, dein solutis.
Ad ramos quercinos juniores rarius. Auctumn

orbiculatis ovalibusque livido-nigris adnatis, centro de-
presso reclusis dilutioribus seriatim confluentibus fibro-
que stromaticas concatenatas flexuosas praestantibus. —
*DC. gall. l. l. Dothidea reticulata Fr. l. l. Polyctida
catenulatum W. in lit.*

Ad folia Convallariae Polygonati languida. Aest.

2916. *Sph. abjecta W.*, pyreniis minutissimis nigri-
rugulosis obsolete papillatis, basi fibrillulas stromatas
delicatissimas breves ramosas adnatas exserentibus, de-
confertissimis, centro depressis, cumulos amorphos com-
xinsculos connexos mentientibus.

Ad Veronicae officinalis fol. radicalia putria. Aest.

3917. *Sph. nervisequia DC.*, pyreniis globos
nigris laevibus astomis nervisequis, striis nigras retic
latas mentientibus. — *DC. gall. VI.* 140. *Dothidea ne
visequia Fr. l. l.*

Ad folia viva Melampyri nemorosi. Auctumno.

3991. ***Sph. tessellata Pers.***, pyreniis globosis nigris insculpto-latitantibus irregulariter circinantibus, linea subflexuosa laxe circumscriptis collisque dein umbilicatis prominulis in quincuncem dispositis, areolam emersam inscribentibus. — *Pers. syn.* 48. *Fr. syst. II.* 393.
Ad ramos salicinos passim. Auctumno.

3992. ***Sph. dissepta Fr.***, pyreniis globosis parvis nigris insculpto-latitantibus, stromate stipato-grumoso albido subrotundo hypophloeode, cingulo nigro excepto dimidiato, supra terso testaceo occultatis verticibusque punctiformibus nigris aequalibus vix prominulis, placentas hypophloeodeas orbiculatas nigro marginatas, centro naevo nigro rotundo, epidermidem perforante inscriptas mentientibus. — *Fr. syst. II.* 392. *Sph. Wallrothii Kz. in lit. ad Fr. elench. II.* 78. *Sph. melanoloma Wallr. in lit.*
Sub epidermide ramulorum tiliaceor. et cerasin. latet et vix nisi vasculo nigro centrali sterili semet prodit. (Nuclei livescentes insculpti pyrenio destituuntur ideoque ad genus novum s. ad aliud (Dothideam) revergunt.)

3993. ***Sph. circumscripta Kz.***, pyreniis majusculis confertis nigris, basi globosa insculptis latitantibus, nucleo atro glutinoso, ascis nigris oblongis utrinque obtusis tetrasporis foeto, vasculo grumoso fusco, superne in discum deplanatum tersum marginatum, summa epidermidis pellicula velatam emersum exceptis illudque osculis paucis perforantibus, demum ascis glutinosis profusis cubilia undique inquinantibus. — *Kunz. in D. Schw. n.* 155. *Sph. profusa Fr. syst. II.* 392. *Sph. grumosa Pers. in lit.*
Ad ramos Robiniae Pseudacaciae siccos vulgaris, rarius etiam ad Ligustrum, ascis profusis semet prodens.

3994. ***Sph. Radula Pers.***, pyreniis exiguis numerosis, stromate subrotundo s. elliptico laxe circumscripto albo s. in discum pallidum dilatato hypophloeode exceptis illudque osculis punctiformibus laevibus s. dein tereticulis inaequalibus scabriusculis rostellatis perforantibus. — *Pers. syn.* 37. *(status adultus, pyreniis magis emersis rostellatis.)* ***Sph. taleola Fr. syst. II.*** 391.

Ad ramos quercinos pas

3995. *Sph. angulata*
nigris, nucleo albo farctis,
loso cupulaeformi nigro-an
angulatum, epidermide ste
exceptis illiusque centrum o
— *Fr. syst. II.* 390. *Sph*
circumvallata Nees. (major,
Ad ramos fagineos, bet

3996. *Sph. scutella*
confertis nigris, stromati s
hypophloeodi impositis sti
subrotundum crassum men
culis obesis acutis assurge
scissam permeantibus. —
333. *Fr. syst. II.* 390.
Ad ramos alneos et ac

3997. *Sph. tumida*
prominente planiusculo ob
Pers. syn. 41. *Fr. syst. I*
Ad ramos quercinos si

3998. *Sph. Kunzei*
parvis latitantibus insculp
pallidi ovalis utrinque atte
dein epidermidem transve
ceptaculo comprehensis ve
nuati osculo atro umbilica
sordide cinereum punctatu
II. 388. *Sph. Pini α. Sc*
Sph. oxystoma Pers. apud
Ad corticem Pini Picea

3999. *Sph. microst*
nigris, stromate hypophloe
niusculum orbicularem ap
minutissimis globosis gra
Pers. syn. 40. *Nees f.* 33
Ad ramos Pruni domes

4000. *Sph. melanostoma Fr.*, pyreniis ovatis parvis nigris, stromate albido adnato hypophloeode, supra in discum subellipticum angustum contracto arcte inclusis illumque dein osculis mintissimis nigris stipatis obliterantibus. — *Fr. syst. II.* 388.

Ad ramos Pyri Mali siccos passim. Vere.

4001. *Sph. diatrypa Fr.*, pyreniis subglobosis, stromate hypophloeodeo-innato, superne in discum truncatum niveum, primum poro simplici pertusum, dein osculis in centrum constipatis minimis obsessum prominulum reclusis. — *Fr. syst. II.* 388.

Ad ramos alneos siccos passim. Vere.

4002. *Sph. cincta Fr.*, pyreniis globosis circinantibus nigris, stromati grumoso, cingulo nigro circumscripto hypophloeodi, superne in discum planum nudum sordide album contracto immersis osculisque globosis peripherici exiguis, centrale majus cingentibus inscriptis. — *Fr. syst. II.* 387.

Ad corticem ramulorum tiliaceorum rarius. Vere.

4003. *Sph. leucostoma Pers.*, pyreniis globosis nigris pluribus, stromate pustuloso, cingulo nigro circumscripto hypophloeodi, superne in discum truncatum album contracto subconico insculptis osculisque nigrescentibus sparsis magis minusve prominulis obsidentibus. — *Pers. syn.* 39. *Necs syst. f.* 332. *Fr. syst.* 387. *Sph. marginata Sowerb. t.* 372. — *Sph. Talus v. pileata Tode l. f.* 80. (*stromate polyporo.*)

Ad corticem Prunorum frequens. Vere.

4004. *Sph. niveu Hoffm.*, pyreniis globosis parvis nigris, stromati grumoso albo subrotundo hypophloeodi, cinctura nigra redimito conico-elevato immersis, osculisque globosis nigris parce prominulis discum niveum farinaceum circumscriptum, epidermide lacera exceptum perforantibus nigro-punctatumque mentientibus. — *Hoffm. veget. cr. I.* 26. *t.* 6. *f.* 3. *Pers. syn.* 38. *Fr. l. l. Sph.*

Talus a. cylindrica Tod. t. 1.
Flor. dan. t. 825. f. 1.
Ad cortices Populi, Salicis,

c. vasculosae, pyreni
tinosa, axeis brevibus clavati
extus massa stromatica grumo
conceptaculo proprio vasculo
in apicem integrum coarcta
in colla corniculata magis
subconnata productis, disc
heterogeneum praestantibu
Fr. Sph. conniventes N. Sph

† leptostomae, pyreni

4005. Sph. Carpin
innatis nigris numerosis s
matica pallida janctis va
in ostiola conferta glo
sublibera epidermidem
ductis. — Pers. syn. 3

Ad ramos carpineos

4006. Sph. fibro
nigris, in stromate sti
hypophloeode, cingul
verticumque in colla
torum osculis sphae
midem transversalite
ronantibus s. oblite
Fr. syst. II. 384.
Ad Rhamni cat

4007. Sph. c
basi innata decur
ceptaculo nigro
obtusa umbilicat
sinentibus. —
syst. f. 330. F
Ad ramulo

4008. *Sph. syngenesia Fr.*, pyreniis globosis subtinis nigris innatis s. subliberis, basi adnata, massa stroatica cinereo-nigricante obsessis, conceptaculo concenice striato sensim coarctato conico exceptis illudque llis exsertis in corpus corrugatum fragile connatis conantibus. — *Fr. syst. II.* 382. *Sph. tumida auct.*

Ad ramos siccos, quercinos v. c. et fagineos.

4009. *Sph. anomia Fr.*, pyreniis ovatis majusculis ucis, e basi immersa, massa stromatica cinereo-nigrinte obsessa in colla exserta distantia laevia robusta tula productis vasculoque convexo difformi rugoso exptis. — *Fr. syst. II.* 381. *Sph. torquata Pers. Sph. regularis DC. gall. VI.* 116.

Ad ramos Robiniae Ps. Acaciae et Populi rarius.

4010. *Sph. enterolcuca Fr.*, pyreniis minutis igris subglobosis numerosis nigris, massa stromatica alba termixtis, conceptaculo crustaceo rugoso orbiculari conexo libero pisiformi exceptis, osculis confertis liberis lobosis rostellatisque subrugosis. — *Fr. syst. II.* 381. *ph. ceratosperma DC. Variolaria ceratosperma Bull.* 432. *f.* 1.

Ad ramos quercinos et carpineos rarissime.

4011. *Sph. gastrina Fr.*, pyreniis globosis numesis irregulariter aggregatis s. succentriatis, pustulas ntricosas orbiculatas, cortici immersas constituentibus llisque inclusis prominulis. — *Fr. syst. II.* 379.

Ad truncos ulmeos et carpineos rarius.

†† *ceratostomae, collis longioribus magis exsertis.*

4012. *Sph. ceratina W.*, pyreniis oblongis hypoloeodeis in colla cylindrica sensim attenuatis, conceptalo vasculoso hemisphaerico-conoideo nigro-fusco tenui, pidermidem scissam permeante comprehensis discumque sculis sphaericis rostellatisque exsertis nigris nitidis nfertissimis obvallatum informantibus. — *Sph. Abietis ceratina Fr. syst. II.* 398. *Sph. corniculata β. Abietis f. et Schw. nisk.* 20.

Ad corticem abietinum rarius.

4013. *Sph. detru*
stromate laete luteo im
cincto tectis, osculis c
minulis. — *Fr. syst. II*

Ad ramos siccos Ber

4014. *Sph. fascic*
conceptaculo stipato, ma
rico sursum attenuato
e basi subglobosa in c
tenuatis, superne demu
acutum elongatis rudib

Ad radices quercinas
phoseos ratione perquar
rediens, collis fascicula
scenda.)

4015. *Sph. Hystr*
nigris, conceptaculo
erumpente, massa grun
breve constringente ex
longissima subdivergent
l. l. f. 127. *Fr. syst. I*

Ad ramos acerinos

4016. *Sph. cerat*
bosis nigris tuberculo
erumpente, intus albi
longa productis rostella
losa scabra exserentibus
23. *Fr. syst. II.* 364.

Ad ramos Rosarum s
(*Todeus var. β. farcta*
podoidi dubie subscript

4017. *Sph. ferrug*
nigris, concepta-alo sti
boso, dein reclinato - d
gentem pertundente ex

stipato-grumosum infarcientibus, aream tuberculosam plasiusculam angulato-difformem epiphyllam praestantibus. — *Holl in D. Schw. n. 29. Dothidea betulina Fr. syst. II. 554. Sph. xylomoides Fr. Xyloma betulinum Hoppe. DC.*

Ad folia betulina vegeta. Aestate sera passim.

2948. *Sph. Ulmi Duv.*, pyreniis minutis teneris, nucleo albo ceraceo farctis, stroma tuberculosum hemisphaerico-subrotundum, intus stipato-grumosum nigrosuscum, primum summa epidermidis pellicula velatum, dein nudiusculum extus alutaceum nigrum, verticibus crominulis verruculosum infarcientibus, cicatriculam convexam asperulam mentientibus. — *Duval in Hopp. Tasch. 1809. p. 105. Nees syst. f. 21. Xyloma sticticum Mart. erl. 169. Sph. xylomoides DC. Dothidea Ulmi Fr. syst. II. 553. Sph. Ulmaria Sowerb. t. 374.*

Ad folia Ulmi campestris putrida. Hyeme.

2949. *Sph. Dothidea Moug.*, pyreniis minutis teneris subglobosis nigris, nucleo albido ceraceo farctis sparsis, stromate tuberculoso umbonato circumscripto hypophloeodi, intus fusco-grumoso insculptis, extus epidermidem stipatam inaequaliter scissam, vertice incondito permeantibus, tuberculum clypeatum rotundum insigne rimosum fusco-nigrum mentientibus.

α. *Fraxini.* — *Sph. Dothidea Moug. Fr. l. l. 422.*

β. *Rosae.* — *Sph. Doth. β. Rosarum Fr. elench. II. 96. Phloeoscoria umbonata W. Naturg. d. Fl. 1. Sph. cicatricosa Pers. in lit. Xyloma Rosae DC. gall. VI. 161. pr. pr. Sph. Rosae Schleicher.*

Ad ramos Fraxini rarius, multo saltem frequentius ad Rosae Cynorrh. truncos et ramos vegetos Thrg. Aest.

†† *ceratostomae, pyreniis in colla exserta productis.*

2950. *Sph. Coyli Batsch*, pyreniis hemisphaericis nucleo-synphloeodeis teneris sparsis confertisque, tegmine grumoso candido latente fotis, extus summa epidermidis pellicula denigrata nitidula jugiter obvelatis collumque costellatum teretiusculum rectum corneum nigrum, apice truncato puro pertusum, basi cortinula candida redimitum

trib. 11. *obvallatae Fr. Sph. disciformes Schm. Sph. pustulatae et circinatae Pers.*)

3972. *Sph. dolosa Kz.*, pyreniis depresso-globosis immerso-hypophloeodeis irregulariter aggregatis nigris, in colla brevia angustatis iisque stipatis convexiusculis, epidermidem scissam vix permeantibus discumque stromaticum obliterantibus. — *Sph. dolosa Kunze in Fr. syst. II.* 405.

Ad corticem salicinum languidum rarius. Auctumno.

3973. *Sph. tessera Fr.*, pyreniis globosis subdenis irregulariter circinantibus corticemque internum elevantibus, dein collis subglobosis in disco erumpente subrotundo mere corticali prominulis. — *Fr. l. l.*

Ad ramos coryleos passim. Auctumno.

3974. *Sph. stilbostoma Fr.*, pyreniis numerosis insculpto-hypophloeodeis nigris, e basi subglobosa in colla brevia adscendentia productis osculisque globosis laevibus nitidis umbilicatis parce sparsimque prominulis, demum discum ellipticum s. subrotundum stromaticum obliterantibus. — *Fr. syst. II.* 403. *cum var. α. papula*, disco elliptico; *β. umbilicata*, disco subrotundo latescente (*Sph. Pseudo-Platani Fr.*) et *γ. conferta*, disco irregulari, osculis obliterato (*Sph. Talus v. conferta Tod. l. l. f.* 94. *Sph. platanoides Pers. syn.* 45.)

Ad ramos languidos, betulinos et acerinos satis mutabilis.

3975. *Sph. capsularis Pers.*, pyreniis subglobosis nigris, stroma grumosum albidum tenue hypophloeodes, dein epidermidem scissam determinatam penetrans infarcientibus verticeque in colla ovato-subglobosa emergentia producto perforantibus, pyrenia subglobosa aggregata, disco albido depresso imposita mentientibus. — *Pers. syn.* 42. *Fr. syst. II.* 402.

Ad ramulos Pruni domesticae siccos rarius. Auct.

3976. *Sph. ambiens Pers.*, pyreniis subglobosis nigris exiguis, stroma grumosum albidum subrotundum, primum hypophloeodes, dein epidermidem scissam permeans infarcientibus osculisque depresso-umbilicatis pertusis ex-

cum corculum centrale cer
gestis perforantibus. — *P*
Sph. mixta Schum. Sph. c
30. *f.* 4. *Sph. Talus v. lic*
Ad ramos Crataegi, Pru

3977. *Sph. salicina*
bosis teneris suboctonis
hypophloeodeo-insculptis,
dein parce prominula, disc
nutum primum fuligineum,
pertusum circumvallantibu
II. 401. *Sph. cancellata T*
Ad ramos salicinos sicc

3978. *Sph. deplana*
globosis nigris parvis insc
mosum fuscum subrotunde
permeans occupantibus osc
cum corculum centrale cer
que deplanatum mentientib
Ad ramos Pyri Mali et

3979. *Sph. leucopis*
nigris subquinis hypophloe
in colla brevia stipata, co
ambeuntia productis. — *F*
Ad ramos coryleos rari

3980. *Sph. turgida*
jusculis turgidis nigris hy
octonis, nucleo atro gela
bullatam elevantibus inqui
vexis obtusis exsertis (ham
minutum coarctatis perfor
syst. II. 400. *Sph. faginea P*
Ad ramos fagineos et al

3981. *Sph. leiphaem*
nuibus atris aggregatis insc
pustulatam elevantibus de

disco erumpente pallido-lutescente farctam osculis sparsis ovatis pertusis prominentibus occupantibus. — *Fr. syst. II.* 399. *Sph. Saturnus Sowerb. t.* 218. *Sph. Hystrix DC. (l. rostellatus) Sph. Radulae var. Alb. et Schw.* 18.

Ad ramos quercinos emortuos rarius. Auctumno.

3982. *Sph. Abietis Fr.*, pyreniis ovatis nigris profunde immersis numerosis aggregatis, in colla oblonga nitida umbilicato-pertusa in discum, stromate tenui albo cinctum implexa productis eorumque osculis prominulis. — *Fr. syst. II.* 398. *excl. var. β. Sph. Pinastri Gr. scot. t.* 50.

Ad corticem abietinum squamosum. Auctumno.

3983. *Sph. Pini A. et Schw.*, pyreniis ovatis minutissimis copiosissimis nigris epiphloeodeis, epidermidem subtus albidam pustulatam elevantibus, in colla convergentia stromate flavido tecta abeuntibus osculisque exsertis obtusis subglobosis aequaliter constipatis emergentibus. — *Alb. et Schw. nisk.* 20. *t.* 8. *f.* 1. *Fr. syst. I.* 397. *Sph. leucophaeata Rebent. neom.* 329. *t.* 1. *f.* 2.

Ad corticem Pini sylvestris rarius. Auctumno.

3984. *Sph. decorticans Fr.*, pyreniis confertim aggregatis subdifformibus nigris hypophloeodeis, osculis minutis confertis globosis umbilicatis nitidis stipatis epidermidem demum excutientibus. — *Fr. syst. II.* 396.

Ad ramos siccos fagineos v. c. et sorbeos. Vere.

3985. *Sph. lixivia Fr.*, pyreniis globosis minutis nigris hypophloeodeis, collis erumpentibus opacis subglobosis corculum gelatinosum flavum laxe ambeuntibus. — *Fr. syst. II.* 385.

Ad ramos juglandinos putres rarius. Auctumno.

3986. *Sph. dimorpha W.*, pyreniis obovatis hypophloeodeis senis denis nigro-fuscis opacis, in colla cylindrica brevia productis, apice aequali truncato umbilicatis, centrale ampullaeforme obtusum nonnisi pertusum duplo majus arcte ambeuntibus unumque vasculosum veluti mentientibus, dein solutis.

Ad ramos quercinos juniores rarius. Auctumno.

Ad ramos quercinos passim

3995. *Sph. angulata F*
nigris, nucleo albo farctis, str
loso cupulaeformi nigro-annul
angulatum, epidermide stella
exceptis illiusque centrum oscu
— *Fr. syst. II.* 390. *Sph.*
circumvallata Nees. (major, de

Ad ramos fagineos, betuli

3996. *Sph. scutellata*
confertis nigris, stromati scu
hypophloeodi impositis stipa
subrotundum crassum mentie
culis obesis acutis assurgenti
scissam permeantibus. — *Pe*
333. *Fr. syst. II.* 390.

Ad ramos alneos et aceri

3997. *Sph. tumida Per*
prominente planiusculo obtus
Pers. syn. 41. *Fr. syst. II.* 3

Ad ramos quercinos sicco

3998. *Sph. Kunzei Fr*
parvis latitantibus insculptis,
pallidi ovalis utrinque attenu
dein epidermidem transversim
ceptaculo comprehensis verti
nuati osculo atro umbilicato
sordide cinereum punctatum
II. 388. *Sph. Pini a. Schm.*
Sph. oxystoma Pers. apud M

Ad corticem Pini Piceae e

3999. *Sph. microstom*
nigris, stromate hypophloeode
niusculum orbicularem aperto
minutissimis globosis granuli
Pers. syn. 40. *Nees f.* 331.

Ad ramos Pruni domestica

4000. *Sph. melanostoma Fr.*, pyreniis ovatis parvis nigris, stromate albido adnato hypophlocode, supra in discum subellipticum angustum contracto arcte inclusis illumque dein osculis minutissimis nigris stipatis obliterantibus. — *Fr. syst. II.* 388.

Ad ramos Pyri Mali siccos passim. Vere.

4001. *Sph. diatrypa Fr.*, pyreniis subglobosis, stromate hypophlocodeo-innato, superne in discum truncatum niveum, primum poro simplici pertusum, dein osculis in centrum constipatis minimis obsessum prominulum reclusis. — *Fr. syst. II.* 388.

Ad ramos alneos siccos passim. Vere.

4002. *Sph. cincta Fr.*, pyreniis globosis circinantibus nigris, stromati grumoso, cingulo nigro circumscripto hypophlocodi, superne in discum planum nudum sordide album contracto immersis osculisque globosis peripheriicis exiguis, centrale majus cingentibus inscriptis. — *Fr. syst. II.* 387.

Ad corticem ramulorum tiliaceorum rarius. Vere.

4003. *Sph. leucostoma Pers.*, pyreniis globosis nigris pluribus, stromate pustuloso, cingulo nigro circumscripto hypophlocodi, superne in discum truncatum album contracto subconico insculptis osculisque nigrescentibus sparsis magis minusve prominulis obsidentibus. — *Pers. syn.* 39. *Nees syst. f.* 332. *Fr. syst.* 387. *Sph. marginata Sowerb. t.* 372. — *Sph. Talus v. pileata Tode l. l. f.* 80. *(stromate polyporo.)*

Ad corticem Prunorum frequens. Vere.

4004. *Sph. nivea Hoffm.*, pyreniis globosis parvis nigris, stromati grumoso albo subrotundo hypophloeodi, cinctura nigra redimito conico-elevato immersis, osculisque globosis nigris parce prominulis discum niveum farinaceum circumscriptum, epidermide lacera exceptum perforantibus nigro-punctatumque mentientibus. — *Hoffm. veget. cr. I.* 26. *t.* 6. *f.* 3. *Pers. syn.* 38. *Fr. l. l. Sph.*

4008. *Sph. syngenesia Fr.*, pyreniis globosis subquinis nigris innatis s. subliberis, basi adnata, massa stromatica cinereo-nigricante obsessis, conceptaculo concentrice striato sensim coarctato conico exceptis illudque collis exsertis in corpus corrugatum fragile connatis coronantibus. — *Fr. syst. II.* 382. *Sph. tumida auct.*

Ad ramos siccos, quercinos v. c. et fagineos.

4009. *Sph. anomia Fr.*, pyreniis ovatis majusculis paucis, e basi immersa, massa stromatica cinereo-nigricante obsessa in colla exserta distantia laevia robusta patula productis vasculoque convexo difformi rugoso exceptis. — *Fr. syst. II.* 381. *Sph. torquata Pers. Sph. irregularis DC. gall. VI.* 116.

Ad ramos Robiniae Ps. Acaciae et Populi rarius.

4010. *Sph. enterolcuca Fr.*, pyreniis minutis nigris subglobosis numerosis nigris, massa stromatica alba intermixtis, conceptaculo crustaceo rugoso orbiculari convexo libero pisiformi exceptis, osculis confertis liberis globosis rostellatisque subrugosis. — *Fr. syst. II.* 381. *Sph. ceratosperma DC. Variolaria ceratosperma Bull.* t. 432. *f.* 1.

Ad ramos quercinos et carpineos rarissime.

4011. *Sph. gastrina Fr.*, pyreniis globosis numerosis irregulariter aggregatis s. succenturiatis, pustulas centricosas orbiculatas, cortici immersas constituentibus collisque inclusis prominulis. — *Fr. syst. II.* 379.

Ad truncos ulmeos et carpineos rarius.

†† *ceratostomae, collis longioribus magis exsertis.*

4012. *Sph. ceratina W.*, pyreniis oblongis hypophloeodeis in colla cylindrica sensim attenuatis, conceptaculo vasculoso hemisphaerico-conoideo nigro-fusco tenui, epidermidem scissam permeante comprehensis discumque osculis sphaericis rostellatisque exsertis nigris nitidis confertissimis obvallatum informantibus. — *Sph. Abietis β. ceratina Fr. syst. II.* 398. *Sph. corniculata β. Abietis A. et Schw. nisk.* 20.

Ad corticem abietinum rarius.

Ad ramos quercinos passim.

3995. *Sph. angulata Fr.*, pyreniis majusc
nigris, nucleo albo farctis, stromate hypophloeod
loso cupulaeformi nigro-annulato, superne in dis
angulatum, epidermide stellatim fissa cinctum
exceptis illiusque centrum osculis minutissimis sig
— *Fr. syst. II.* 390. *Sph. nigro-annulata Gr
circumvallata Nees. (major, depressa magisque ro*

Ad ramos fagineos, betulinos et coryleos ra

3996. *Sph. scutellata Pers.*, pyreniis
confertis nigris, stromati scutelliformi orbiculat
hypophloeodi impositis stipato-pulvinatis, um
subrotundum crassum mentientibus, dein osculis
culis obesis acutis assurgentibus subliberis, epi
scissam permeantibus. — *Pers. syn.* 37. *Nees*
333. *Fr. syst. II.* 390.

Ad ramos alneos et acerinos rarius. Auctu

aggregata teretia spinulosa, apice impresso-perforata productis. — *Pers. syn.* 35., *obs.* 66. *t.* 5. *Schmidt l. l. f.* 12. *Nees syst. f.* 321. c. *Fr. syst. II.* 363.

Ad ramos coryleos, populinos et sorbeos passim.

4018. *Sph. Sorbi Schm.*, pyreniis globosis plurimis nigris, conceptaculo nigro, intus albido tectis, nucleo gelatinoso, ascis filiformibus, sporidia ovata exigua continentibus farctis, collis longis sulcato-angulatis subconvergentibus stipato-confluentibus unumque veluti cylindricum mentientibus, demum patulis epidermidem scissam permeantibus. — *Schm. myk. Hft. I.* 59. *Fr. syst. II.* 380. *Sph. pentagona Fr. olim. Sph. coronata Wahlenb. lapp.* 520. *Sph. Prunastri var. Sorbi A. et Schw. nisk.* 17.

Ad ramos sorbeos siccos passim.

4019. *Sph. Prunastri Pers.*, pyreniis pluribus nigris majusculis, conceptaculo amplo concolore subglobloso, epidermidem transversim scissam aequalem infarcientibus demumque excedentibus, massa albida coacta farcto conceptis, e basi subglobosa abrupte angustatis ejusque verticem coarctatum, collis exsertis 4-6-gonis sulcatis s. alatis stipatis mox effusis obsidendo dilatantibus. — *Pers. syn.* 37. *Fr. syst. II.* 380.

Ad ramos Prunorum patruarum siccos passim.

c. *hyphostromaticae, stromate fibroso hyphoideo in subiculum lanosum contexto, hypo- s. epiphloeodeo, pyrenia simplicia distincta saepius calva, ascis longis subclavatis, in sporidia septata facile diffluentibus foeta sustinentibus.* (*Sph. tribus* 17. *byssisedae Fr. Sph. tomentosae Schm.*)

† *leptostomae, pyreniis vertice aequali papillatis.*

4020. *Sph. contexta W.*, pyreniis hypophloeodeis parvis teneris subglobosis papillatis, extus tenuiter villosis villique propexi dilute fuscescentis ope inter se contextis, vertice umbonato epidermidem scissam elevantibus, nucleo albo gelatinoso, ascis ovato-oblongis olivaceis utrinque acutiusculis biseptatis foeto farctis.

Ad ramulos Populi balsamiferae hort. northus.

4021. *Sph. infernali*
deis globosis tenuibus majus
floccoso-furfuraceo fusco-ni
vertice convexo obsolete pa
bullato-elevatam parce sciu
Kunze in lit. Fr. syst. II.

Ad ramos quercinos in

4022. *Sph. elongat*
parvis nigro-fuscis confert
praeter basin pilis implexis
gidulum contextis munitam
dein aëneo-nigro farctis, v
lato s. annulato-depresso
cientibus seriatimque proru
solutos oblongos obtusos
striatos multiloculares prof
422. *Sph. Fumago W. in li*
scot. t. 195. *Sph. scabra S*
magis sparsus, astomus, a

Ad ramos Robiniae Pse

4023. *Sph. flavesce*
phloeodeis subglobosis dist
delicato secedente albo tect
radiatim expanso laxe inte
— *Fr. syst. II.* 44.

Ad ligna quisquiliasque

4024. *Sph. auranti*
subrotundis papillatis aur
ex stromate subiculoso effu
tice papillatis demumque o
pertusis. — *Pers. syn.* 69.
f. 362. *Fr. syst. II.* 440.

Ad ligna mucida Hym
Auct. (Aliam in Agarico
pyreniis basi tenuatis minc
succinctis.)

4025. *Sph. viridis A. et Schw.*, pyreniis globosis obovatisque mollibus pallide-virentibus sparsim-confertis stromati tomentoso concolori, dein coacto nigrescente insidentibus Hymenomycetnmque velum obducentibus s. penitius penetrantibus, demum vertice convexo papillato prominulis. — *A. et Schw. nisk.* 8. *t.* 6. *f.* 8. *Sph. luteo-virens Fr. syst. II.* 339.

Ad Agaricos Russulas Lusatiae. (*Alb. et Schweiniz.*)

4026. *Sph. tristis Tod.*, pyreniis globosis parvis alutaceo-rugulosis atris astomis confertis, stromate strigoso-hyphoideo torvo concolori insidentibus, demum poro pertusis. — *Tode l. l. t.* 9. *f.* 67. *Pers. icon. t.* 12. *f.* 5., *syn.* 87. *Alb. et Schw.* 44 *cum var. β. fusca (stromate crassiore magis fusco.) Fr. syst. II.* 444.

Ad truncos putres, Viburni Opuli praeprimis, passim.

4027. *Sph. cinerea Pers.*, pyreniis confertis globosis papillatis atris, primum tegmine crasso cinereo tectis illoque demum secedente suffusis, calvis. — *Pers. syn.* 68. *Fr. syst. II.* 443.

Ad ligna exsiccata German. rarissime. (*Persoon.*)

4028. *Sph. violacea Schm.*, pyreniis globoso-depressis umbilicatis confertis purpurascentibus, e stromate effuso brevi floccoso-contexto tenui albido emergentibus. — *Schmidt in lit. Fr. syst. II.* 441.

Ad Fuliginem violaceam, rarissime. (*Schmidt.*)

4029. *Sph. byssiseda Tod.*, pyreniis depresso-globosis firmis papillatis sparsis cinereis, basi stromati fibroso gryseo-fusco laxe contexto interrupto insidentibus. *Tode l. l. f.* 69. *excl. var. β. Fr. syst. II.* 442.

Ad ramos salicinos humi putrescentes rarius.

4030. *Sph. Aquila Fr.*, pyreniis globosis tornatis fuliginiis magnis (1-3) mamillato-papillatis astomis, primum stromate subiculoso crasso tomentoso fusco, ex hyphis delicatissimis ramosis septatis jugiter contexto subductis, bicorticatis, cortice externo testaceo fragili, primum tegmine velutino gryseo tenui vestito dein nudo,

4035. *Sph. lucifuga Jungh.*, pyreniis aggregatis confertissimis ovatis villosis virescentibus, rostella elongata intescentia exserentibus basique stromati delicato insidentibus. — *Jungh. l. l. p.* 409.

Ad ligna putria subterranea Hercyn. (*Junghuhn.*)

4036. *Sph. lagenaria Pers.*, pyreniis parvis gregariis mollibus badio-fuscis globosis rugulosis glabriusculis, a vertice rostellum longissimum subulatum, apice hyalinum dilutum abrupte exserentibus, basi stromati hyphoideo fusco delicatissimo stipato intertexto insidentibus. — *Pers. syn.* 58. *Fr. syst. II.* 472.

Ad Hymenomycetes suberosos, nec non ad ipsa saxa arenaria humecta Thuring. rarius, stromate hyphoideo longe expanso.

d. pachystromaticae, pyreniis variis confertis, pulpa gelatinosa ascis brevibus, sporidia simplicia exigua varie digesta foventibus farctis, stromati coacto s. stipato figurato adfixis s. insculptis. (Sph. sect. I. peripericae et II. hypopericae Fr. Sph. caulescentes et peripericae Pers.)

a. ectopyreniae, stromate subrotundo determinato carnoso s. grumoso convexo, primum hypophlocode, dein emerso, pyrenia simplicia sphaerica, praeter basin adnatam libera, papillata, pulpa gelatinosa, ascis brevibus, sporidia simplicia exilissima foventibus farcta exserente et veluti caespitosa in superficie gerente. (Sph. trib. 13. caespitosae Fr. Fr. Schm. Sph. impositae Nees. Sph. convexae Wahlenb. succ.) — Stroma saepenumero exuberat, in tuberculum sterilescens male succrescit omnemque edit Tuberculariae generis habitum ejusque fidem in contentionem trahit.

† *leiopyreniae, pyreniis calvis.*

4037. *Sph. chnaumatica W.*, pyreniis rugulosis nigris minutis confertissime conglomeratis, intus albidis, stroma carnosum viridi-atrum carnosum hypophlocodes obliterantibus grumulosque exiguos ovato-subrotundos

4021. *Sph. infernalis Ks.*, pyreniis hypophloeodeis globosis tenuibus majusculis gregarils, stromate effuso floccoso-furfuraceo fusco-nigro latitante obvolutis, dein vertice convexo obsolete papillato, summam epidermidem bullato-elevatam parce scindentibus. — *Sph. infernalis Kunze in lit. Fr. syst. II.* 371.

Ad ramos quercinos in agro lipsiens. rarius (*Kunze.*)

4022. *Sph. elongata Fr.*, pyreniis subglobosis parvis nigro-fuscis confertis hypophloeodeo-insculptis, praeter basin pilis implexis fuscis, in stroma breve rigidulum contextis munitam calvis, primum nucleo albo, dein aëneo-nigro farctis, vertice convexo obsolete papillato s. annulato-depresso summam epidermidem infarcientibus seriatimque prorumpendo confluentibus, ascos solutos oblongos obtusos pentasporos longitudinaliter striatos multiloculares profundentibus. — *Fr. syst. II.* 422. *Sph. Fumago W. in lit. Cucurbitaria elongata Grev.* [redacted]

035. *Sph. lucifuga Jungh.*, pyreniis aggrega-
onfertissimis ovatis villosis virescentibus, rostella
ata lutescentia exserentibus basique stromati deli-
insidentibus. — *Jungh. l. l. p.* 409.
d ligna putria subterranea Hercyn. (*Junghuhn.*)

036. *Sph. lagenaria Pers.*, pyreniis parvis gre-
mollibus badio-fuscis globosis rugulosis glabrinsculis,
tice rostellum longissimum subulatum, apice hyali-
dilutum abrupte exserentibus, basi stromati hyphoi-
usco delicatissimo stipato intertexto insidentibus. —
syn. 58. *Fr. syst. II.* 472.

d Hymenomycetes suberosos, nec non ad ipsa saxa
ria humecta Thuring. rarius, stromate hyphoideo
expanso.

. *pachystromaticae, pyreniis variis confertis,*
gelatinosa ascis brevibus, sporidia simplicia exigua
digesta foventibus farctis, stromati coacto s. sti-
figurato adfixis s. insculptis. (Sph. sect. I. peri-
cae et II. hypophericae Fr. Sph. caulescentes et pe-
ricae Pers.)

. *ectopyreniae, stromate subrotundo determinato*
so s. grumoso convexo, primum hypophlocode, dein
so, pyrenia simplicia sphaerica, praeter basin adna-
libera, papillata, pulpa gelatinosa, ascis brevibus,
dia simplicia exilissima foventibus farcta exserente
eluti caespitosa in superficie gerente. (Sph. trib.
aespitosae Fr. Fr. Schm. Sph. impositae Nees. Sph.
xae Wahlenb. succ.) — Stroma saepenumero ex-
it, in tuberculum sterilescens male succrescit omnem-
dit Tuberculariae generis habitum ejusque fidem in
ntionem trahit.

leiopyreniae, pyreniis calvis.

037. *Sph. chnaumatica W.*, pyreniis rugulosis
minutis confertissime conglomeratis, intus albidis,
a carnosum viridi-atrum carnosum hypophlocodes
rantibus grumulosque exiguos ovato-subrotundos

interno cinereo tenuiter membranaceo, ascorum linearia in sporidia oblonga septata solutorum farcimen nigrum comprehendentibus. — *Fr. l. l. Sph. byssiseda β. γ. Tr. l. l. f.* 70. *Pers. syn.* 67. *Hyphasma griseo-fuscum Rabent. neom.* 397. (*stroma sterile.*) *Sph. mammaeformis auct.* ?*Fr. syst.* 455. (*Senilis, nuda.*)

Ad virgas in sepimentis udis sepultas passim.

4031. *Sph. Rhacodium Pers.*, pyreniis minutis ovatis rugulosis, vertice contracto papillatis hirtis nigris basi stromati hyphoideo tomentoso, delicato in pellem expansam constipato insidentibus. *Pers. syn.* 74. *F. syst. II.* [illegible]

Ad truncos caesos in locis udis rarius. Auctumno.

4032. *Sph. Trichoderma Hoffm.*, pyreniis conicis teneris minimis aurantio-rubris, demum melanophaenis, stromate hyphoideo in membranam tomentosam lutescentem contexto insidentibus. — *Hoffm. veg. cr. I.* 9. *t.* 6. *f.* 1. *Pers. syn.* 69. *Fr. syst. II.* 440.

Ad lignum exesa fodinarum hercynic. (*Hoffmann.*)

4035. *Sph. lucifuga Jungh.*, pyreniis aggregatis confertissimis ovatis villosis virescentibus, rostella elongata lutescentia exserentibus basique stromati delicato insidentibus. — *Jungh. l. l. p.* 409.

Ad ligna putria subterranea Hercyn. (*Junghuhn.*)

4036. *Sph. lagenaria Pers.*, pyreniis parvis gregariis mollibus badio-fuscis globosis rugulosis glabriusculis, e vertice rostellum longissimum subulatum, apice hyalinum dilutum abrupte exserentibus, basi stromati hyphoideo fusco delicatissimo stipato intertexto insidentibus. — *Pers. syn.* 58. *Fr. syst. II.* 472.

Ad Hymenomycetes suberosos, nec non ad ipsa saxa arenaria humecta Thuring. rarius, stromate hyphoideo longe expanso.

d. pachystromaticae, pyreniis variis confertis, pulpa gelatinosa ascis brevibus, sporidia simplicia exigua varie digesta foventibus farctis, stromati coacto s. stipato figurato adfixis s. insculptis. (Sph. sect. I. periphericae et II. hypophericae Fr. Sph. caulescentes et periphericae Pers.)

e. ectopyreniae, stromate subrotundo determinato carnoso s. grumoso convexo, primum hypophloeode, dein emerso, pyrenia simplicia sphaerica, praeter basin adnatam libera, papillata, pulpa gelatinosa, ascis brevibus, sporidia simplicia exilissima foventibus farcta exserente et veluti caespitosa in superficie gerente. (Sph. trib. 12. caespitosae Fr. Fr. Schm. Sph. impositae Nees. Sph. connexae Wahlenb. succ.) — Stroma saepenumero exuberat, in tuberculum sterilescens male succrescit omnemque edit Tuberculariae generis habitum ejusque fidem in contentionem trahit.

† *leiopyreniae, pyreniis calvis.*

4037. *Sph. chnaumatica W.*, pyreniis rugulosis nigris minutis confertissime conglomeratis, intus albidis, stroma carnosum viridi-atrum carnosum hypophloeodes obliterantibus grumulosque exiguos ovato-subrotundos

4038. *Sph. fiacca*
nitidis mollibus obsolet
tenue carnosum pallidu
pulvinatum subrotundun
latinoso albo farctis, d
vertice apertis, facile ca
soph. Ilft. I. 62. *Fr. sy*
Ad vitices Dulcamar

4039. *Sph. pulic*
tosis, mole variis, parvi
ovato-subglobosis nigri
rimoso-dehiscentibus de
nigricans tenue, nonnisi
literantibus. — *Fr. sys*
Ad ramos Sambuci

4040. *Sph. bacca*
attenuata sensim increas
viusculis, vertice papilla
stroma carnosum fusco-
pressis compressisve co
sphaericos stipato-bacc
Ad ramos Cytisi Lab

4041. *Sph. acero*
rugulosis nigris
de-

raro sparsis, epidermidem permeantibus. — *Pers. obs. II. 67. t. 5. f. 19., syn. 50. Fr. syst. II. 413.*

β. elatina, pyreniis sparsis obovatis. — *Fr. l. l. Alb. et Schw. nisk. 24.*

Ad truncos Populi nigrae; *β.* ad ramulos Pini Piceae, vel ad ipsas squamas strobilorum abietinorum.

4043. *Sph. varia Pers.*, pyreniis nigris nitidulis sublaevibus, stromati nigro tenui subrotundo hypophloeodi, epidermidem scissam infarcienti impositis, biformibus, aliis foetis farctis globosis majusculis, vertice papillato mox depresso-umbilicatis, aliis subrotundis epapillatis sterilibus vacuis duplo minoribus, grumulos stipatos parvos planos constituentibus. — *Pers. syn. 52. Fr. syst. II. 416.*

Ad ramos Pruni Cerasi putres rarissime.

4044. *Sph. naucosa Fr.*, pyreniis globosis laevibus opacis nigro-fuscescentibus astomis, nucleo albo farctis, stromati tenuato concolori, saepius obsoleto superadditis, caespitulos minutos rotundatos efficientibus. — *Fr syst. II. 416. Sph. inaequalis Pers. in lit.*

Ad ramos ulmeos humi jacentes rarius.

4045. *Sph. pithyophila Kz.*, pyreniis globosis parvis nigris laevibus nitidulis, vertice convexo obsolete papillatis, dein depresso-concavinsculis poroque rotundo hiantibus, confertim sparsis, basi stromati tenui expanso bullato nigro carbonaceo, primum hypophloeodi, dein emerso, summam epidermidem desquamantem abstergenti insidentibus, semiliberis. — *Schm. et Kunz. D. Schw. n. 133. Fr. syst. II. 425.*

Ad corticem Pini sylvestris Lusatiae et Abietum Hercyn. superior. passim.

4046. *Sph. conglobata Fr.*, pyreniis subglobosis rugulosis nigris opacis rigidis, vertice convexo parce papillatis pertusisque, in stromate obsoleto laxe caespitosis. — *Fr. syst. II. 414. Tremella granulosa Retz.*

Ad ramos siccos coryleos et betulinos rarius.

4047. *Sph. punicea Schm.*, pyreniis globosis laevibus minutis mollibus laete puniceis astomis, intus roseis,

planiusculos acinosos, epidermidem scissam reclinatam mentientibus.

Ad corticem Populi tremulae languidum Thrg. rarius.

4038. *Sph. flaccа W.*, pyreniis parvis ovatis nigris nitidis mollibus obsolete papillatis confertissimis, stroma tenue carnosum pallidum laxe obsidentibus acervulumque pulvinatum subrotundum flaccum mentientibus, nucleo gelatinoso albo farctis, demum contabescentibus amorphis vertice apertis, facile caducis. — *?Sph. Dulcamarae* Schm. *myk. Hft. I.* 62. *Fr. syst. II.* 421.

Ad vitices Dulcamarae ramulosque sambucinos rarius.

4039. *Sph. pulicaris Fr.*, pyreniis stipato-caespitosis, mole variis, parvis saepe minutissimis inaequalibus ovato-subglobosis nigris sublaevibus, vertice epapillato rimoso-dehiscentibus deinque impressis pertusisque, stroma nigricans tenue, nonnisi carnosulum, rimas infarciens obliterantibus. — *Fr. syst. II.* 417.

4053. *Sph. coccinea Pers.*, pyreniis parvis teneris vitreis laevibus laete coccineis, vertice papilla mamillari prominula saturatiore obsessis, basi stromati carnosulo testaceo-lutescenti hypophloeodi adfixis caespitosis sparsisve libere prominulis, primum oviformibus, dein depressis caducis. — *Pers. syn.* 49., *icon t.* 12. *f.* 2. *Fr. syst. II.* 412. *cum var. β. parasitica et γ. sanguinella* (*Sph. Mori Weig.*) *Sph. decidua Tod. l. l. f.* 104.

Ad corticem Tiliae, Fagi, Mori inque aliis Sphaeriis parasita, cum Tubercularia minore *Lk.* forsan analoga.

4054. *Sph. chrysitis W.*, pyreniis majusculis globosis aureis gleboso-furfuraceis, vertice umbilicato-impressis fragilibus, intus dilutioribus, basi attracta stromati carnoso hypophloeodi fulvo adfixis, caespitulos emersos liberos praestantibus.

Ad Ribes nigri ramos siccos in locis udis Thuring.

4055. *Sph. decolorans Pers.*, pyreniis majusculis globosis gleboso-corrugatis cinnabarino-miniatis, dein vertice depresso papillatis, mox fusco-decoloribus, e stromate carnoso-grumoso hypophloeode, nonnisi in tuberculum convexum roseum succrescente erumpentibus liberis caespitosis. *Pers. syn.* 49. *cum var. β. decipiente. Sph. pezizoidea DC. gall. VI.* 125. *Sph. cinnabarina Fr. syst. II.* 412. *Sph. fragiformis Sowerb. t.* 256.

Ad ramos qualescunque languescentes, salicinos, populinos fraxineosque praeprimis abundanter. (*Persoonius* am stroma cum Tremella purpurea *L.*, s. cum Tubercularia vulgari comparat, nec displicet hanc pro stromate ujus denuo succrescente agnoscere itaque utriusque conubium mutuasque colorum mutationes explicare.)

†† *eriopyreniae, pyreniis hirsutis.*

4056. *Sph. Vaccinii Sow.*, pyreniis subglobosis arctis astomis minutis atris stipato-caespitosis, primum illosis, dein calvescentibus. — *Sowerb. t.* 373. *f.* 1. *Fr. yst. II.* 418. *Sph. accumulata Pers. in lit.*

Ad ramos Vaccinii Vitis Idaeae languidos rariua.

4057. *Sph. decora*
tornatis pallide-miniatis, v
mox expallente vestitis, v
inscriptis, basi aequali
phloeodes occupantibus,
parvum hemisphaericum p
Ad Aceris campestris

β. entopyrenes, py
minusve elongata product
minula, a cubilibus muta
propria composito incondit
latitantibus genuinamque
bus. (Sph. periphericae e

† *effusae, pyreniis*
sparsis, deinceps congreg
crescentibus saepiusque s
longe lateque expansum
fluens s. ex mutuo pyren
flatum, osculis magis
informantibus. (Sph. tribu
nosae Schm. Sph. monost

4058. *Sph. fimeti*
longis connatis nigris, str
cubilibus immersum infor
nicis elongatis emergentib
asperantibus. — *Pers. sy*
stercoreus Schrank.
Ad fimum vaccinum et

4059. *Sph. lineata*
nigris (ligno) immersis in
osculisque ovato-oblongis
emergentibus. — *Alb. e*
Fr. syst. II. 373.
Ad asseres pineos Lus

4060. *Sph. paralle*
mersis, rimas cubilium

caespites seriatim dispositos conglomeratis, osculis prominulis stipatis globosis laevibus. — *Fr. syst. l. l. Sph. uda auct. nec Pers.*

Ad ligna pinea putredine exesa rarius.

4061. *Sph. insitiva Tod.*, pyreniis globosis exiguis nigris longitudinaliter immersis confluendoque stroma fuscescens elongatum, intus albidum, osculis subglobosis nigris prominulis asperulum mentientibus. — *Tode l. l. t. 13. f. 108. Rcb. ncom. 328. Fr. syst. II. 366. nec Mart.*

Intra sarmentorum viteorum rimas rarius.

4062. *Sph. Melogramma Pers.*, pyreniis obovatis nigris, vertice depresso umbilicato-papillatis, senis s. denis in caespitulum, basi massa grumosa fusca friabili comprehensum confluentibus stromaque varium plerumque subrotundum, epidermidem scissam permeans tuberculoso-colliculosum redintegrantibus, raro distinctis sparsis. — *Pers. syn. 13. Fr. syst. II. 420. Sph. ocellata Pers. disp. Sph. caudata Schum. Variolaria melogramma Bull. t. 492. f 1.*

Ad ramos fagineos passim. (Paradoxa sp., jam Sph. caespitosam, jam confluentem, jam pulvinatam, habitu Sph. disciformem inaequabilem mentiens, ex pyreniorum plurium connubio semet informans.)

4063. *Sph. sphaerococca W.*, pyreniis globosis nigris parvis sparsis cortici insculptis latitantibus, in collum breve abrupte tenuatis osculoque sphaerico tornato, primum papillato, dein poro tenui pertuso, summam epidermidem perforante prominentibus.

Ad corticem Syringae et Ligustri Thuring. passim.

4064. *Sph. lata Pers.*, pyreniis globosis nigris confertis (ligno corticive) insculptis latitantibus, in collum brevissimum abrupte tenuatis osculoque conico saepius quadrigono rimose perforato prominentibus, nunc distinctis cubilia permeando denigrantibus, nunc confluentibus illaque obducendo in stroma longe lateque effusum contiguum colliculosoque-umbonatum crassum mutantibus. — *Pers. syn. 29.*

caespites seriatim dispositos conglomeratis, osculis prominulis stipatis globosis laevibus. — *Fr. syst. l. l. Sph. nuda auct. nec Pers.*

Ad ligna pinea putredine exesa rarius.

4061. *Sph. insitiva Tod.*, pyrenulis globosis exiguis nigris longitudinaliter immersis confluendoque stroma fuscescens elongatum, intus albidum, osculis subglobosis nigris prominulis asperulum mentientibus. — *Tode l. l. t. 13. f. 108. Reb. neom. 328. Fr. syst. II. 366. nec Mart.*

Intra sarmentorum viteorum rimas rarius.

4062. *Sph. Melogramma Pers.*, pyrenulis oblongatis nigris, vertice depresso umbilicato-papillatis, senis s. denis in caespitulum, basi massa gummosa fusca friabili comprehensum confluentibus stromaque varium plerumque subrotundum, epidermidem scissam permeans tuberculoso-colliculosum redintegrantibus, raro distinctis sparsis. — *Pers. syn. 12. Fr. syst. II. 420. Sph. oscillata Pers. disp. Sph. caudata Schum. Variolaria melogramma Bull. t. 492. f 1.*

Ad ramos fagineos passim. (Paradoxa sp., jam Sph. caespitosam, jam confluentem, jam pulvinatam, habitu Sph. disciformem inaequabilem mentiens, ex pyreniorum pluriam connubio semet informans.)

4063. *Sph. sphaerococca W.*, pyrenulis globosis nigris parvis sparsis cortici insculptis latitantibus, in collum breve abrupte tenuatis osculoque sphaerico tornato, primum papillato, dein poro tenui pertuso, summam epidermidem perforante prominentibus.

Ad corticem Syringae et Ligustri Thuring. passim.

4064. *Sph. lata Pers.*, pyrenulis globosis nigris confertis (ligno corticive) insculptis latitantibus, in collum brevissimum abrupte tenuatis osculoque conico serpios quadrigoue rimoso perforato prominentibus, nunc distinctis cubilis permeando denigrantibus, nunc confluentibus illisque obducendo in stroma longe lateque effusum contiguum colliculosoque-umbonatum crassum mutantibus. — *Pers. syn. 29.*

α. *stigmatea*, pyre
integra osculo hemisphä
et *milliaria Fr. syst.*
β. *scoriadea*, pyre
in stroma contiguum
— *Sph. lata Fr. syst.*
fragifera Tode l. l. f.
373. *Sph. papillata H*
Ad ligna quaecunqu
seniles. (Utraque var.
trescentes, Helmisporii
bituque strigoso et col

4065. *Sph. flavo-*
nigris confertis (ligno
massa stromatica grum
bilia penetrante s. in
fluendo obducente melar
abrupte tenuatis oscul
prominentibus. — *Pers*
α. *stigmatea*, pyre
minula latitantibus, str
trante decolorante exc
t. 375. *f.* 5.
β. *scoriadea*, pyreni
pulvinato incondito exc
aurantiaca Grev. scot.
veg. t. 2. *f.* 4.
Ad ramos quoscunq

4066. *Sph. valut*
sparsim confertis ligno
brevia abrupte tenuati
nigram crustaceam, vell
informantibus osculisque
minulis glabris nitidis p
Ad truncos acerinos

4067. Sph. Stigm
sim in colla producta

latitantibus illumque in massam stromaticam friabilem vesicoformem, primum albentem dein nigro-fuscescentem, extus politam contiguam longe lateque ambientem crassiusculam inversam, epidermidem scindentem infarcientibus nucalisque planiusculis subimmersis nigris inscribentibus. — *Hoffm. veg. t.* 2. *f.* 1. *Pers. syn.* 21. *Fr. syst. II.* 350. *Stromatosphaeria Stigma Grev. scot. t.* 223. *Hypoxylon operculatum Bull. t.* 478.

Ad ramos languidos Oxyacanthae, Carpini, Fagi aliosque, primum epidermide tecta, dein illa latius angustiusve desquamante recluса.

4068. *Sph. undulata Pers.*, stromate effuso interrupto undulato atro, intus albo, osculis subrotundis prominulis. — *Pers. syn.* 21. *Fr. syst. II.* 350.

Ad ramos coryleos. (*Persoon.*)

4069. *Sph. velata Pers.*, pyreniis globosis sparsis parvis laburno insculptis latitantibus illudque rhusseum domum massa stromatica tenui contigua effusa nigra obductam, collis corniculatis prominulis difformibus rarisve permeantibus. — *Pers. syn.* 32. *t.* 1. *f.* 14. *Fr. syst. II.* 375.

Ad ramos tiliaceos dejectos passim.

4070. *Sph. scabrosa DC.*, pyreniis globosis parvis nigris in rolla brevia tenuata (ligno) insculptis latitantibus stromaque effusum nigrum emersum crustaceum, osculis conicis permeantibus asperum informantibus. — *DC. gall. II.* 288. *Fr. syst. II.* 360. *Sph. tuberculata Schum. Hypoxylon scabrosum Bull. t.* 468.

β. podoides, pyreniis confertis distinctis prominulis rigidis verruciformibus nigris, cornicula brevia exserentibus. — *Fr. l. l. Sph. podoides Pers. syn.* 22. *excl. syn.*

Ad ligna quercina duriora rarius.

4071. *Sph. spinosa Pers.*, pyreniis ovatis confertis magnis nigris crassiusculis ligno insculptis latitantibus, in collum brevissimum coarctatis ostioliisque crassis 4–6 gonis sulcatis brevibus glabris s. pilos tortuosos exserentibus, velati in stroma colliculosum atrum latissimum

effusum contiguum confluentibus s. hinc inde in coralcula rudia pyramidata hexagona succrescentibus. — Pers. syn. 34. t. 2. f. 9. Fr. syst. II. 368.

Ad ligna faginea putrida, rarius etiam ad corticem betulinum crassum pone radices.

4072. *Sph. spiculosa Pers.*, pyreniis globosis ligno immersis aggregatis confluendo reluti stroma crustaceum umbonatum contiguum mentientibus, in cuili praelonga teretiuscula saepius utrinque sulcata tenuissima erumpentia productis. — *Pers. syn.* 33. *Fr. l. l.*

Ad ramos salicinos humi jacentes rarius.

4073. *Sph. spinifera W.*, pyreniis subglobosis nigris, nucleo gelatinoso albo, ex sporidiis solutis geminatis nigrescentibus demum fusco-castaneo farctis, stroma primum hypophloeodes dein emersum hemisphaericum distinctum pisiforme nigrum, in crustam latam crassam confluentibus, extus undique cornicula tortuosa crassa cylindrica rudia tortuosa aequalia s. nodis intercepta praelonga exserentibus. — *Sp. spinosa auct. Flor. dan. t.* 1311. *f.* 2.

Ad corticem truncorum fagineorum et pyrinorum crassorum imorum Thuring. passim.

†† *pulvinatae, stromate subcarnoso e substantia propria composito, e basi sessili deplanata convexo subhemisphaerico immarginato, plerumque epidermide solum succincto, sive primitus sive deinceps pube crassa calvescente, pyreniis inditis peripphericis farcto serumque osculis expuncto.* (*Sph. tribus 3 - 6 pulvinatae, carnosae, glebosae et lignosae Fr. Sph. convexae Schm. Sph. peripphericae Pers. Dothideae Xylomatis sp. Fr. Polystigma DC.*)

† *calvae, stromate primitus jam calvo.*

4074. *Sph. rubra Fr.*, stromate symphloeode suborbiculari carnoso rubro, dein rufo-fusco amphigeno, hinc maculari concaviusculo, hinc convexo, intus carneo dilutiore, pyreniis rotundis numerosis saturatioribus exigue parce prominulis insculpto. — *Fr. obs. I.* 172. *Dothidea rubra Fr. syst. II.* 553. *Sph. hyctospilus Mart. crl.* 475. Polystigma rubrum DC. Xyloma rubrum Pers. syn. 165.

Ad folia Pruni domesticae et spinosae vegeta.

4075. *Sph. ochracea Wahlenb.*, stromate sympholeode hypogaeo subangulato latescente ochraceo, dein fulvo, hinc maculari, hinc planiusculo, intus carnoso dilatiore, pyrenis sphaerica saturatiora parce prominula exigua occultante. — *Wahlenb. lapp.* 518. *nec Fr. Sph. sanitha Fr. obs. l. l. Sph. Padi Holl. Dothidea fulva Fr. syst. l. l. Polystigma fulvum DC. Xyloma aurantiacum Schl.*
Ad folia Pruni Padi vegeta hort. halens. v. c. passim.

4076. *Sph. Ribis Pers.*, stromate hypophloeode elliptico pulvinato planiusculo, summam epidermidem transverim scissam aequaliter infarciente nigro, intus stipato-grumuloso nigrescente, pyrenis minimis concoloribus insculpto-latitantibus peripherieis confertissimis, nucleo albido cereaceo farctis obsesso ilsque prominulis subtilissime asperulo. — *Sph. Ribesia Pers. syn.* 14. *Rebent. neom.* 324. *t.* 1. *f.* 5. *Necs syst. f.* 312. *Dothidea Ribesia Fr. syst. II.* 550.
Ad ramos Ribes nigri et rubri languidos. Hyeme.

4077. *Sph. friabilis Pers.*, stromate hypophloeode subrotundo disciformi, summam epidermidem scissam subaequaliter infarciente atro, intus nigrescente grumoso friabili, pyrenis sphaericis majusculis nigris, nucleo exacto albido farctis eorumque osculis punctiformibus inscripto. — *Pers. syn.* 24. *Fr. syst. II.* 561.
Ad ramos quercinos juniores languidos rarius.

4078. *Sph. quercina Pers.*, stromate hypophloeode hemisphaerico s. semigloboso nigro, summam epidermidem varie scissam, extus adpressam superante tuberculiformi, pyrenis nigris, e basi globosa nuda in collum rectum, massa exacta albido-carnea obducta productis, ampullaeformibus farcto eorumque osculis globosis exiguis prominulis aspero. — *Pers. syn.* 24. *t.* 1. *f.* 7. *? Necs syst. f.* 321. *Fr. syst. II.* 562. *Sph. lignea Pers. l. l.*
Ad ramos quercinos putrescentes passim.

4079. *Sph. disciformis Hoffm.*, stromate hy-

pophloeode pulvinato orbiculato tomato in verticem deplanato, primum fusco-cinerascente carnoso, dein nitido nigro, epidermidem scissam permeante, pyreniis nigris confertis e basi globosa nuda in collum brevissimum, massa coacta albido-carnea obliterata abeuntibus farcto eorumque osculis inaequaliter fissis insculptis nigris expunctis. — *Hoffm. veget.* 15. *t.* 4. *f.* 1. *Pers. syn.* 24. *Nees syst. f.* 321. *Fr. syst. II.* 353. *Sph. grisea DC. gall. VI.* 122. (*lusus superficie cinerea.*) *Variolaria punctata Bull.*

Ad ramos quercinos, fagineos et carpineos languidos obvertim, in quibus rarius in corpora verrucosa nigra sterilia (?Agyrium) desciscit.

4080. *Sph. bullata Ehrh.*, stromate hypophloeode plano-convexiusculo nigro vario (subrotundo, ovali reniformique), dein summam epidermidem reclinatam superante depresso-placentari, pyreniis nigris confertis, e basi globosa nuda in collum brevissimum, massa coacta alba obliteratam abeuntibus farcto eorumque osculis depressis insculptis stellato-fissis expuncto. — *Ehrh. crypt. sicc. n.* 199. *Hoffm. l. l. t.* 2. *f.* 3. *Pers. syn.* 27. *Fr. syst. II.* 349. *Sph. depressa Bolt. t.* 122. *Sph. Pinastri Tode l. l. t.* 12. *f.* 97.

Ad ramos salicinos languidos vulgaris.

4081. *Sph. sordida Pers.*, stromate erumpente subrotundo sordide-nigro rugoso, intus pyreniis globosis exiguis, massa mollioscula cinereo-fuscescente obliterata farcto, in discum depressum osculis impressis parce punctum deplanatis. — *Pers. syn.* 25. *Fr. syst. II.* 361.

?β. Crataegi, stromate subrotundo, intus cinereo-virente, pyreniis gelatinam rubentem stillantibus. *Pers. l. l.*

Ad ramos fraxineos; *β.* in Crataego rarius. (*Pers.*)

4082. *Sph. lanciformis Fr.*, stromate transversim erumpente lanciformi convexo atro, intus cinereo-nigricante, pyreniis paucis globosis majusculis, ostiolis demum parce prominentibus — *Fr. syst. II.* 362. *Sph. feram-*

nosa Pers. Sph. cincta DC. gall. VI. 119. *Duby. Sph. Betulae Schum. Sph. quercina β. Alb. et Schw. nisk.* 11.
Ad corticem betulinum passim.

4083. *Sph. lenta Tod.*, stromate rotundato sublibero repando fuscescenti-nigro, intus albo, pyreniis globosis minutis insculpto-latitantibus osculisque depressis punctiformibus prominulis. — *Tode l. l. t.* 12. *f.* 102. *Fr. syst. II.* 349.
Ad ramos decorticatos Salicis capreae rarius.

4084. *Sph. succenturiata Tod.*, stromate hypophloeode hemisphaerico, summa epidermide irregulariter fissa munito, tuberculiformi, pyreniis biformibus, aliis basilaribus globosis astomis latitantibus, aliis obovatis in collum massa ceracea alba tectum productis farcto eorumque osculis impressis punctato. — *Tode l. l. f.* 109. *Schm. myk. Hft. II. f.* 19. *Fr. syst. II.* 347.
Ad ramos ulmeos et acerinos rarius.

4085. *Sph. lutea A. et Schw.*, stromate hemisphaerico nigro rugulose, intus grumoso luteo, dein in verticem discoideum marginatum, osculis nigris prominulis expunctum dilatato, veluti cupuliformi. — *Alb. et Schw. nisk.* 11. *t.* 1. *f.* 1. *Fr. syst. II.* 347.
Ad truncum alneum Lusatiae. (*Alb. et Schweiniz.*)

4086. *Sph. verrucaeformis Ehrh.*, stromate hypophloeode convexo pulvinato, saepius insigni nigro, primum epidermide varie (longitudinaliter s. stellatim) scissa arcte adnata elevata excepto illamque dein reclinatam excedente verruci-s. pisiformi, pyreniis majusculis nigris confertis, e basi globosa in collum breve, massa alba obliteratum productis eorumque osculis parce prominulis incondito-rugulosis. — *Ehrh. exs. n.* 280. *Pers. syn.* 26. *Fr. syst. II.* 555. *Sph. Avellanae Pers. disp.*
Ad ramos carpineos et fagineos vulgaris.

4087. *Sph. favacea Fr.*, stromate hypophloeode convexo pulvinato magno nigro, summa epidermide irregulariter transversimque fissa adnata excepto verruciformi,

pyreniis ovatis majusculis in collum breve, massa alba obductum abrupte tenuatis eorumque osculis parce prominulis ruguloso. — *Fr. syst. II.* 354. *Sph. grossa et variolosa Pers. Sph. verruciformis γ. Alb. et Schw. nisk.* 12. *Sph. betuligna Chev.*

Ad ligna betulina truncosque Ribes nigri vetustos.

4088. *Sph. pilulifera Kz.*, stromate subrotundo difformi immerso plano, extus infusque atro, pyreniis insculpto-latitantibus, e basi globosa in collum longum attenuatis osculisque globosis maximis cavis prominentibus. — *Fr. syst. II.* 352.

Ad truncos fagineos Bohemiae. (*Kunze.*)

†† *vestitae, stromate ex plurium pyreniorum connubio in figuram pulvinatam s. hemisphaericam concinnato, rarius effuso omnino s. areolato-placentari, semet ex pube hyphoidea velutinave substrata coeunte informante, s. scobem velutino-pulverulentam superinducente, deinque calvescendo iterum exuente.*

* *hyphoideae, stromatis initiis hyphoideis, dein coactis pyreniorumque agmine centro obliteratis.*

4089. *Sph. typhina Pers.*, stromatis initiis delicatissime hyphoideis niveis (vaginas Graminum) longe jugiterque ambeuntibus, dein in stroma carnosulum album coactis, pyreniorum globosorum insculptorum confluentium astomorum luteorum, nucleo gelatinoso farctorum pavimento contiguo glabro laete-rubiginoso alutario obliterato. — *Pers. syn.* 29., *icon. t.* 7. *f.* 1. *Nees syst. f.* 314. *Stromatosphaeria typhina Grev. scot. t.* 204. *Typhodium graminis Lk. Dothidea typhina Fr. syst. II.* 553. *Polystigma typhinum DC. Sph. spiculifera Sowerb. t.* 270.

Ad vaginas graminum vegetorum (Dactylis). Aestate.

4090. *Sph. gelatinosa Tod.*, stromatis initiis delicatissime hyphoideis albis epixylis, dein in stroma carnosum convexum aequale pulvinatum opacum coactis, pyreniis sphaericis prominentibus saturationibus super-

fusis. — *Tode l. l. II.* 48. *f.* 123. 124. *Fr. syst. II.* 336. *Sph. pallida Pers. syn.* 12.

Ad ligna molliora putrescentia rarius.

4091. *Sph. rufa Pers.*, stromatis initiis tenuiter-hyphoideis albicantibus epixylis, mox in stroma carnosum convexum irregulare rufum, intus albidum, pyreniis globosis parce prominulis saturatioribus, superficiem rugulosam impertientibus tectum abeuntibus. — *Pers. syn.* 13. *Fr. syst. II.* 335. *Sph. scarlatina Schum.*

Ad ligna quercina, faginea Ruborumque sarmenta rarius.

4092. *Sph. citrina Pers.*, stromatis initiis flocoeso-velutinis pallescentibus in stroma carnosum effusum planum s. interrupto-areolatum delicatissime velutinum crassiusculum citrinum coactis, pyreniis insculpto-latitantibus minutissimis confertissimis, nucleo hyalino farctis, e basi globosa abrupte in collum brevissimum tenuatis superficiem quemammoso-colliculosam, osculis papillaribus saturate fuscis inscriptam parce elevantibus. — *Pers. syn.* 18. *Fr. syst. II.* 337. *Naemaspora sulfurea Wahl. ups.* 471.

Ad terram, truncos Polyporosque exsiccatos rarius.

4093. *Sph. lateritia Fr.*, stromatis initiis hyphoideo-velutinis delicatissimis in stroma carnosum glabrum late effusum pallide lateritium abeuntibus, pyrenis globosa irregulariter immersa minuta saturatiora, osculis punctiformibus prominula foventibus. — *Fr. syst. II.* 338. *Hypolyssus ventricosus Pers. myc. II.* 7.

Ad Agaricos putres, v. c. Saxoniae. (*Schmalz.*)

4094. *Sph. rosea Pers.*, stromatis initiis hyphoideis laxe intertextis albo-flavescentibus, dein sensim in stroma determinatum constipatis, pyrenia conoidea ovatove-subglobosa papillata sanguineo-rosea mollia confertissima, vertice demum depresso-subsidentia informantibus eorumque agmine confluente crustamque mentiente obliteratis. — *Pers. syn.* 18. (*sterilis, terrestris, ideoque dubia.*) *Fr. syst. II.* 338. *Sph. rosella Alb. et Schw. nisk.* 35. t. 7. *f.* 3. *Fr. l. l. Nees syst. f.* 362. H. Gr. scot. t. 138.

Tum lignum putridum Salicum cavarum, tum Poly porum lucidum, latitudine 2-3 unciali et crassitudi plurium linearum obducentem circa Heringam Thuris semel legi. Auctumno. (Cave, ne initia hyphoidea py renophora in lignis obvia pro nova specie habeas!)

4095. *Sph. deusta Hoffm.*, stromatis initiis st pato-hyphoideis intus abituque determinato albis, cost coacto pulverulento gryseo-cinerascentibus subcarnos thelephoroideis, sensim in stroma carnosum undulato-r gosum rigidum carbonaceum nigrum glabrum effusu intus grumosum indurescentibus, pyrenia superficilia mag iusculpta, collis brevibus mamillari-prominula foventibu — *Hoffm. veget. I. 3. t. 1. f. 2. Pers. syn. 16. Ne syst. f. 316. Fr. syst. II. 345. Sph. albo-deusta Wa suec. II. 1001. Sph. versipellis Tode l. l. f. 120. Sph. ma rima Web. Hypoxylon undulatum Bull. t. 487.*

Ad basin truncorum vetustorum vulgaris.

fusis. — *Tode l. l. II.* 48. *f.* 123. 124. *Fr. syst. II.* 336. *Sph. pallida Pers. syn.* 12.

Ad ligna molliora putrescentia rarius.

4091. *Sph. rufa Pers.*, stromatis initiis tenuiter-hyphoideis albicantibus epixylis, mox in stroma carnosum convexum irregulare rufum, intus albidum, pyreniis globosis parce prominulis saturatioribus, superficiem rugulosam impertientibus tectum abeuntibus. — *Pers. syn.* 13. *Fr. syst. II.* 335. *Sph. scarlatina Schum.*

Ad ligna quercina, faginea Ruborumque sarmenta rarius.

4092. *Sph. citrina Pers.*, stromatis initiis floccoso-velutinis pallescentibus in stroma carnosum effusum planum s. interrupto-areolatum delicatissime velutinum crassiusculum citrinum coactis, pyreniis insculpto-latitantibus minutissimis confertissimis, nucleo hyalino farctis, e basi globosa abrupte in collum brevissimum tenuatis superficiem quemammoso-colliculosam, osculis papillaribus saturate fuscis inscriptam parce elevantibus. — *Pers. syn.* 18. *Fr. syst. II.* 337. *Naemaspora sulfurea Wahl. ups.* 411.

Ad terram, truncos Polyporosque exsiccatos rarius.

4093. *Sph. lateritia Fr.*, stromatis initiis hyphoideo-velutinis delicatissimis in stroma carnosum glabrum late effusum pallide lateritium abeuntibus, pyrenia globosa irregulariter immersa minuta saturatiora, osculis punctiformibus prominula foventibus. — *Fr. syst. II.* 338. *Hypolyssus ventricosus Pers. myc. II.* 7.

Ad Agaricos putres, v. c. Saxoniae. (*Schmalz.*)

4094. *Sph. rosea Pers.*, stromatis initiis hyphoideis laxe intertextis albo-flavescentibus, dein sensim in stroma determinatum constipatis, pyrenia conoidea ovatove-subglobosa papillata sanguineo-rosea mollia confertissima, vertice demum depresso-subsidentia informantibus eorumque agmine confluente crustamque mentiente obliteratis. — *Pers. syn.* 18. (*sterilis, terrestris, idcoque dubia.*) *Fr. syst. II.* 338. *Sph. rosella Alb. et Schw. nisk.* 35. *t.* 7. *f.* 3. *Fr. l. l. Necs syst. f.* 362. B. Gr. scot. t. 138.

nigrum verticibusque umbonatis acute papillatis collic
losum mentientibus. — *Pers. syn.* 20. *Nees syst. f.* 3
318. *Fr. syst. II.* 341. *Sph. crustacea Sowerb. t.* 3
Sph. mammiformis Hoffm. veg. t. 3. *f.* 1.

Ad ligna salicina molliora et putrida. Hyeme.

4103. *Sph. fusca Pers.*, stromate epixylo, pract
basin applanatam libero hemisphaerico s. pulvinato m
jusculo, raro effuso latescente, extus primum scobe stupp
carneo-fusca obducto, dein calvescente intusque conc
lore fusco, osculis minutissimis s. obsoletis prominu
expuncto. — *Pers. syn.* 12. *Nees syst. f.* 310. *Fr. sy
II.* 332. *Sph. glomerata et Coryli DC. Sph. confus
Willd. Sph. tuberculosa Bolt. t.* 123. *Sph. castorea T
l. l. f.* 100. *Sph. lycoperdoides Weigg. Hypoxylon g
meratum Bull. t.* 468.

Ad cortices putrescentes abundat quovis tempore.

4104. *Sph. rubricosa Fr.*, stromate elastico, c

latitantibus illumque in massam stromaticam friabilem versicolorem, primum albentem dein nigro-fuscescentem, extus politam contiguam longe lateque ambeuntem crassiusculam inversam, epidermidem scindentem infarcientibus osculisque planiusculis subimmersis nigris inscribentibus. — *Hoffm. veg. t.* 2. *f.* 1. *Pers. syn.* 21. *Fr. syst. II.* 350. *Stromatosphaeria Stigma Grev. scot. t.* 223. *Hypoxylon operculatum Bull. t.* 478.

Ad ramos languidos Oxyacanthae, Carpini, Fagi aliaramque, primum epidermide tecta, dein illa latius angutiusve desquamante reclusa.

4068. *Sph. undulata Pers.*, stromate effuso interrupto undulato atro, intus albo, osculis subrotundis prominulis. — *Pers. syn.* 21. *Fr. syst. II.* 350.

Ad ramos coryleos. (*Persoon.*)

4069. *Sph. velata Pers.*, pyreniis globosis sparsis parvis laburno insculptis latitantibus illudque rimosum denum massa stromatica tenui contigua effusa nigra obtectum, collis corniculatis prominulis difformibus raris permeantibus. — *Pers. syn.* 32. *t.* 1. *f.* 14. *Fr. syst. II.* 375.

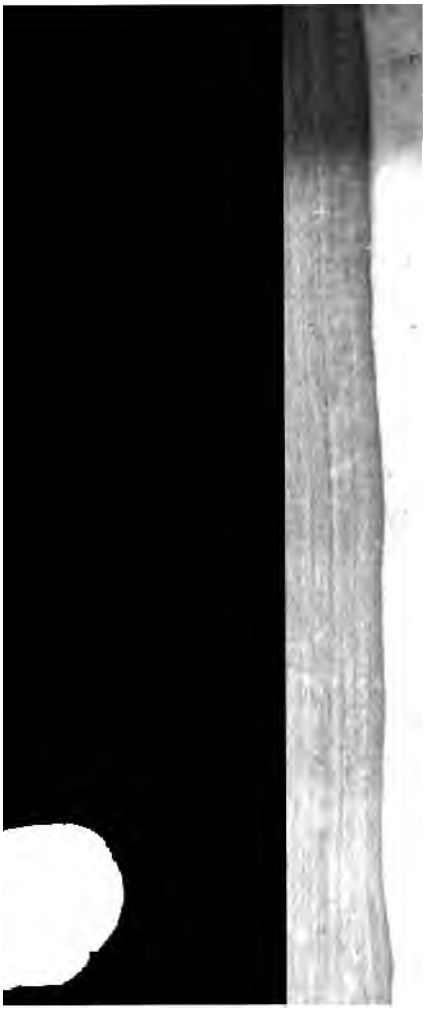
Ad ramos tiliaceos dejectos passim.

4070. *Sph. scabrosa DC.*, pyreniis globosis parvis nigris in colla brevia tenuatis (ligno) insculptis latitantibus stromaque effusum nigrum emersum crustaceum, osculis conicis permeantibus asperum informantibus. — *DC. gall. II.* 288. *Fr. syst. II.* 360. *Sph. tuberculata Schum. Hypoxylon scabrosum Bull. t.* 468.

β. podoides, pyreniis confertis distinctis prominulis rigidis verruciformibus nigris, cornicula brevia exserentibus. — *Fr. l. l. Sph. podoides Pers. syn.* 22. *excl. syn.*

Ad ligna quercina duriora rarius.

4071. *Sph. spinosa Pers.*, pyreniis ovatis confertis magnis nigris crassiusculis ligno insculptis latitantibus, in collum brevissimum coarctatis ostiolisque crassis 4–6 gonis sulcatis brevibus glabris s. pilos tortuosos exserentibus, veluti in stroma colliculosum atrum latissime



pyreniis ovatis majusculis
obductum abrupte tenuatis
minulis ruguloso. — *Fr.*
variolosa Pers. Sph. verru
12. *Sph. betuligna Chev.*

Ad ligna betulina trunc

4088. *Sph. pilulife*
difformi immerso plano, ex
sculpto-latitantibus, e basi
tenuatis osculisque globosi
— *Fr. syst. II.* 352.

Ad truncos fagineos Bo

†† *vestitae, stromate e*
in figuram pulvinatam s
rarius effuso omnino s.
pube hyphoidea velutinave
s. scobem velutino-pulverul
calvescendo iterum exuent

* *hyphoideae, stromati*
pyreniorumque agmine cen

4089. *Sph. typhina*
catissime hyphoideis nive
jugiterque ambeuntibus, de
coactis, pyreniorum globoso
astomorum luteorum, nucl
mento contiguo glabro laete
— *Pers. syn.* 29., *icon.*
Stromatosphaeria typhina
graminis Lk. Dothidea ty
stigma typhinum DC. Sph

Ad vaginas graminum

4090. *Sph. gelatino*
licatissime hyphoideis albi
nosum convexum aequale
pyreniis sphaericis promi

Ad folia Prqni domesticae et spinosae vegeta.

4075. *Sph. ochracea Wahlenb.*, stromate symphloeode hypogeno subangulato latescente ochraceo, dein fulvo, hinc maculari, hinc planiusculo, intus carnoso dilutiore, pyrenia sphaerica saturatiora parce prominula exigua occultante. — *Wahlenb. lapp.* 518. *nec Fr. Sph. xantha Fr. obs. t. 1. Sph. Padi Holl. Dothidea fulva Fr. syst. l. l. Polystigma fulvum DC. Xyloma aurantiacum Schl.*

Ad folia Pruni Padi vegeta hort. halens. v. c. passim.

4076. *Sph. Ribis Pers.*, stromate hypophloeode elliptico pulvinato planiusculo, summam epidermidem transversim scissam aequaliter infarciente nigro, intus stipato-grumuloso nigrescente, pyreniis minimis concoloribus insculpto-latitantibus peripheriis confertissimis, nucleo albido ceraceo farctis obsesso iisque prominulis subtilissime asperulo. — *Sph. Ribesia Pers. syn.* 14. *Rebent. neom.* 324. *t.* 1. *f.* 5. *Nees syst. f.* 312. *Dothidea Ribesia Fr. syst. II.* 550.

Ad ramos Ribes nigri et rubri languidos. Hyeme.

4077. *Sph. friabilis Pers.*, stromate hypophloeode subrotundo disciformi, summam epidermidem scissam subaequaliter infarciente atro, intus nigrescente grumoso friabili, pyreniis sphaericis majusculis nigris, nucleo coacto albido farctis eorumque osculis punctiformibus inscripto. — *Pers. syn.* 24. *Fr. syst. II.* 361.

Ad ramos quercinos juniores languidos rarius.

4078. *Sph. quercina Pers.*, stromate hypophloeode hemisphaerico s. semigloboso nigro, summam epidermidem varie scissam, extus adpressam superante tuberculiformi, pyreniis nigris, e basi globosa nuda in collum rectum, massa coacta albido-carnea obducta productis, ampullaeformibus farcto eorumque osculis globosis exiguis prominulis aspero. — *Pers. syn.* 24. *t.* 1. *f.* 7. *? Nees syst. f.* 321. *Fr. syst. II.* 362. *Sph. lignea Pers. l. l.*

Ad ramos quercinos putrescentes passim.

4079. *Sph. disciformis Hoffm.*, stromate hy-

Tum lignum putridum Salicum cavarum, tum Polyporum lucidum, latitudine 2-3 unciali et transitudine plurium linearum obducentem circa Heringam Thering. semel legi. Auctumno. (Cave, ne initia hypoxoides pyrenophora in liguis obvia pro nova specie habeas!)

4095. *Sph. deusta Hoffm.*, stromatis initiis stipato-hyphoideis intus abituque determinato albis, centro coacto pulverulento gryseo-cinerascentibus subcarnosis thelephoroideis, sensim in stroma carnosum undulato-rugosum rigidum carbonaceum nigrum glabrum effusum, intus grumosum indurescentibus, pyrenia superficilia magna insculpta, collis brevibus mamillari-prominula formantibus. — *Hoffm. veget. l. 3. t. 1. f. 2. Pers. syn. 16. Neis syst. f. 316. Fr. syst. II. 345. Sph. albo-deusta Walt. suec. II. 1001. Sph. versipellis Tode l. Lif. 120. Sph. maxima Web. Hypoxylon undulatum Bull. t. 487.*

Ad basin truncorum vetustorum vulgaris.

** *velutina, stromate primum ex scobe velutino-pulverulenta colorata incuso, dein calescente.* (*Hypoxylon Bull.*)

4096. *Sph. confluens Tod.*, stromate sebrotundo s. oblongo angusto brevi, primum tomento macido vestito, dein calvo nigro, intus albo, pyreniis subglobosis nigris seriato-confluentibus majuscalis fareto verticibusque umbonatis mammillato-papillatis prominulis collicolens. — *Tode l. l. f. 87. Fr. syst. II. 342. Sph. uda mut. forsan ipsius Pers. cum var. β. salicaria Sph. albicans β. confluens Pers. syn. 33. et 70.*

Ad ligna salicina et quercina putredine exesa. Hyems.

4097. *Sph. coprophila Fr.*, stromate effuso, primum tomento tenui albicante caduco tecto, ex pyreniis subglobosis connatis nigris conflato eorumque verticibus umbonatis globoso-papillatis ruguloso, demum atro. — *Fr. syst. II. 342. Sph. albicans γ. fimicola A. et Schw. 2*

Ad fimum vaccinum in memoribus udis. Aestate.

4098. Sph. botryosa Fr., stromate epixylo tuberculoso prominulo rotundo ex pyreniis globosis conflu-

atris opacis (6-10) caespitoso-conglomerato conflato corrugato, verticibusque depresso-papillatis inscripto. — *Fr. syst. II.* 342.

Ad ligna quercina dura montis vogesi. (*Mougeot.*)

4099. *Sph. nummularia DC.*, stromate determinato suborbiculari s. elliptico, primum hypophloeode, scobe pertenui fusca superfuso, dein epidermidem scissam marginantem excedente ab ambitu volvato clypeato-pulvinato atro, pyreniis ovatis majusculis farcto eorumque osculis impresso-umbilicatis pertusis exiguis piceis nitidis expuncto. — *DC. gall. II.* 290. *Fr. syst. II.* 348. *Sph. Macula Tode l. l. f.* 106. *Pers. syn.* 19. *Sph. anthracina Schm. l. l. t.* 1. *f.* 16. *Sph. Clypeus Schw. Sph. diffusa Sowerb. t.* 373. *Hypoxylon nummularium Bull. t.* 478.

Ad corticem fagineum et quercinum rarius.

4100. *Sph. rubiginosa Pers.*, stromate epixylo, e figura hemisphaerica vario libero, saepius pulvinato s. in areas inconditas depressas effusas protracto, primum scobe stuppeo-pulverulenta sordide lutescente, mox laete rubiginosa obducto, dein calvescendo nigrescente, pyreniis nigris globosis, vertice mammillari osculis, halone nudo albo cinctis pertuso, magis minusve prominulis. — *Pers. syn.* 11. *Fr. syst. II.* 340. *Sph. atro-purpurea Tode l. l. f.* 105. *et aliorum.*

Ad ligna humi putrescentia truncosque vulgaris.

4101. *Sph. uda Pers.*, stromate depresso-pulvinato oblongato, ambitu elevato determinato, primum scobe delicatissima ferruginea adsperso, dein calvo nigro, pyreniis ovalibus celluloso-connatis nigris, supra aequaliter confluentibus farcto eorumque osculis acutis parce prominulis aspero. — *Pers. syn.* 33. *Fr. syst. II.* 358. *pr. pr.*

Ad ligna salicina uda Thuring. (*Sph. confluens Tod.* a Sph. uda *Pers.* plane non, certo tamen ab hac differt.)

4102. *Sph. serpens Pers.*, pyreniis depresso-globosis majusculis connato-confluentibus stromaque effusum applanatum cubilia longe lateque obducens, primum tegmine mucoso sordide-cinereo obductum, dein mundum

nigrum verticibusque u
losum mentientibus. —
318. *Fr. syst. II.* 341.
Sph. mammiformis Hof
Ad ligna salicina m

4103. *Sph. fusca*
basin applanatum liber
jusculo, raro effuso lates
carneo-fusca obducto,
lore fusco, osculis mi
expuncto. — *Pers. syn*
II. 332. *Sph. glomerat*
Willd. Sph. tuberculos
l. l. f. 100. *Sph. lycop*
meratum Bull. t. 468.
Ad cortices putresc

4104. *Sph. rubri*
dermidem dein reclinar
fusco, scobe rubricosa
albo-cinerascente friab
immersis atris confert
osculis hemisphaerico-
nitidis aspero. — *Fr.*
Ad ramos quercino
nec non in agro thuri

4105. *Sph. rubif*
hypo-s. epiphloeode he
vario, pyreniis globosis
eorumque vertice umbo
farcto, primum distinct
stito, dein calvo nigro
gregato confluente.
α. cohaerens, strom
piluliformibus, plurimis
areasque latas colliculos
Sph. cohaerens Pers. syn
β. incrustans, sto

vinatis dein longe expansis. — *Sph. inerustans Pers. syn.* 62. *Fr. syst. II.* 343.

γ. baccata, stromate hypophloeode, e basi coarctata elliptico, epidermidem scissam reclinante, s. epiphloeode, e basi dilatata hemisphaerico-pulvinato rubiformi insigni. — *Sph. multiformis Fr. syst. II.* 334. — *Sph. argillacea Pers. Sph. cinereo-fusca Schum. Sph. peltata DC. Sph. pulvinata Hedw.* (*status juvenilis.*) — *Sph. rubiformis Pers. syn.* 9. *Sph. granulosa Sow. DC. Dub. Sph. labiata Pers. Stomatosphaeria elliptica Grev. Sph. deusta Wahl. lapp. Hypoxylon granulatum Bull. t.* 487.

Var. *α.* ad cortices fagineos; *β.* ad truncos alneos; *γ.* ad truncos betulinos siccos passim redeunt et vix nisi stromatis mole, dispositione mutua et figura inter se differunt.

4106. *Sph. fragiformis Pers.*, stromate epiphloeode, primum praeter basin rotundatam adnatam tornato-globoso, scobe pulverulenta miniato-rubiginosa superfuso, dein calvescente, saepius difformi, mole (pisi s. avellanae) vario, pyreniis ovatis nigris parvis parce prominulis peripherico-confluentibus corticemque veluti, globum stipato-grumosum atro-fuscum ambeuntem mentientibus. — *Pers. syn.* 9. *t.* 1. *f.* 1. *Nees syst. f.* 309. *Fr. syst. II.* 332. *Sph. bicolor DC. Sph. rubra Willd. Sph. radians Tod. Hypoxylon coccineum Bull. Lycoperdon variolosum L.*

Ad cortices fagineos et betulinos passim.

4107. *Sph. Tubulina A. et Schw.*, stromate ovato-oblongo semiimmerso insigni, primum scobe delicata viridula adsperso, dein calvo nigro-ferrugineo (terreo) pulvinato calvo, pyreniis maximis confertis insculptis, e basi ovato-ventricosa subprismatica in collum longum teres sensim attenuatis, lageniformibus, nucleo gelatinoso nigro farctis. — *A. et Schw.* 6. *t.* 4. *f.* 4. *Fr. syst. II.* 346.

Ad truncum abietinum Lusatiae. (*Alb. et Schweiniz.*)

4108. *Sph. concentrica Bolt.*, stromate saepius maximo, primum turbinato, scobe delicatissima velutina

rubiginosa adsperso, dein globoso-difformi fusco-nigricante veluti corticato rigido, intus stratis concentricis zonatis celluloso, pyreniis oblongis periphericis immersis foeto. — *Bolt. t.* 180. *Pers. syn.* 8. *t.* 1. *f.* 2. *Nees syst. f.* 308. *(lusus basi angustata obovatus.) Fr. syst. II.* 331. *Sph. tunicata Tode l. l. f.* 130. *Lycoperdon fraxineum Huds. L. atrum Schaeff. t.* 329. *Sph. tuberosa Timm. Valsa tuberosa Scop.*

Ad truncos fraxineos, alneos et salicinos rarius.

γ. *discoideae, stromate figurato carnoso cupulari, disco pyreniorum insculptorum osculis expuncto.* (*Sph. tribus* 2. *Poronia Fr. Poronia Willd.*)

4109. *Sph. cupularis Fr.*, stromate carnoso cupulari marginato luteo, extus villoso, disco depresso, pyreniis periphericis tecto. — *Fr. in Schlechtd. Linn.* 1830. *p.* 539. *Sph. pallida Willd. herb.*

Ad ligna putrida agri berol. (*Willdenow.*)

4110. *Sph. Poronia Pers.*, stromate carnoso-coriaceo elato, e basi stipitiformi pubente s. glabriuscula abrupte in discum truncatum albo-farinaceum, pyreniorum insculptorum osculis nigris sparsis punctatum concassiusculum marginatum abrupte dilatatis, extus fuliginoso-nigricantibus, intus albis. — *Pers. syn.* 15. *Nees syst. f.* 313. *Sph. punctata Sowerb. t.* 127. *Fr. syst. II.* 330. *Poronia Gleditschii Willd. berol.* 400. *Peziza punctata L. Flor. dan. t.* 288. *Bull. t.* 252.

Ad fimum equinum et asininum rarissime. Hyems.

δ. *clavatae, stromate figurato carnoso stipato distincto erecto, superficie et colore vario, e basi caulistipiti-s. radiciformi, longius nonnisi protensa sterili in clavulam simplicem s. proliferam, pyreniis amphiphericis insculptis corticato.* (*Sph. trib.* 1. *Cordyceps Fr. Cordyceps Fr. obs. Xylaria Schrk. Rebent. Grev. Sph. clavatus Schm. Sph. caulescentes Pers.*)

4111. *Sph. filiformis A. et Schw.*, stromate gregario erecto subsessili arrhizo simplici s. prolifero sub-

eroso funiculari, primum pallente dein nigrescente, praeter basin obsolete pilosam striatam glabro, mediotenus pyreniis ovatis prominentibus aspero, in apicem roscum sterilem desinente. — *Alb. et Schw. nisk.* 2. *t.* 3. *f.* 5. *Fr. syst. II.* 329. *Rhizomorpha simplicissima Pers. myc.*

Ad foliorum deciduorum (Syringae) petiolos rarissime. (Similem s. novam in linteis durioribus putrescentibus legi.)

4112. ***Sph. carpophila Pers.***, stromate suberoso gracili simplici, e stipite basi longissima rhizode villosa sustentato in clavulam subulatam, primum albido-pulverulentam, dein nigricantem, pyreniis globosis, umbone hemisphaerico prominentibus asperam desinentibus. — *Pers. obs. t.* 1. *f.* 3., *syn.* 6. *Fr. syst. II.* 328. *Xylaria flexuosa Schrank.*

Ad pericarpia faginea locis udis jacentia rarius.

4113. ***Sph. Hypoxylon Ehrh.***, stromate tenaciter suberoso compresso simplici gregario, juvenili e stipite pilis rigidis densis patentibus nigro-fuscis hirto in apicem cornutum acuminatum s. truncatum pedato-incisum, tegmine candido incuso illinitum desinente, senili calvo detrito undique concolore nigro rigido, mediotenus pyreniis insculptis globosis umbonato-prominentibus turgescente cylindrico, apice compresso sterilescente. — *Ehrh. exs. n.* 150. *Pers. syn.* 5. *Fr. syst. II.* 327. *Sph. digitata Bolt. t.* 129. *Sph. cornuta Hoffm. veg. t.* 3. *f.* 1. *Sph. aspera Fl. dan. t.* 1258. *Sph. hirta Batsch. Valsa digitata Scop. Clavaria Hypoxylon L. Bull. t.* 130.

Ad truncos vetustos ubique. Auct. — Vere.

4114. ***Sph. stuppea W.***, stromate nigro fusco, tegmine stupposo stipato-contexto, stratum medullare album ambeunte tecto, molli, e basi rhizode ramosissima implexa in stipites proliferos, inferne bulbosos, superne in apicem primum albo-pruinosum tenuatum, dein pyreniis globosis, vertice acuto papillato prominentibus, nucleo nigro farctis asperum cylindricum desinente, plexus fasciculatos rhizomatoideos mentiente. — *Sph. rhizoides Wallr. in lit. Sph. digitata β. rhizoides* Fr. elench. II. 56.

Ad ligna quercina aqu
at abundanter.

4115. *Sph. digitat*
connata stipites glabros
in clavam teretem atro-
pyreniis globosis vertice
apice sterili acuto termi
Beytr. VI. 7. *Pers. obs.*
t. 1306. *Necs syst. f.* 30
Hypoxylon Schaeff. t. 26

Ad ligna domestica fa

4116. *Sph. bulboso*
subramoso coriaceo glab
subrotunda laevi fusca al
xuosum, clavulam subcom
tice prominulis asperam
obs. II. t. 1., *syn.* 5. *Ne*

In pinetis ad terram

4117. *Sph. polymo*
gariis, e basi curta teret
tusam, e figura obovata,
saepius difformem, extus
nigram, intus subcarnosan
tem incrassatis maximis,
fuscorum osculis papillat
catis. — *Pers. obs. t.* 2.
syst. II. 326. *Sph. cotylo*
Xylaria polymorpha Gre
obtusa Weigg. Valsa cl
dan. t. 900. — *Mentz. p*

Ad truncos fagineos li

4118. *Sph. alutace*
noso molli laevi fragili,
sensim in capitulum clav
pyreniis prominulis tube

t. 2. *f.* 2., *syn.* 2. *Flor. dan. t.* 300. *Nees syst. f.* 301. *Fr. syst. II.* 325. *Sph. clavata Sowerb. t.* 159.

In pinetis inter folia putrescentia rarissime.

4119. *Sph. militaris Ehrh.*, stromate carnoso aurantiaco, e stipite aequali tenaci dilutiore in capitulum clavatum tuberculosum deorsum attenuatum desinente. — *Ehrh. Beytr. I. l. Pers. obs. t.* 2. *f.* 3., *syn.* 1. *cum var. polycephala. Nees syst. f.* 305. *Fr. syst. II.* 323. *Cl. granulosa Bull. t.* 496. *Clavaria militaris L. Flor. dan.* 657. — *Vaill. bot. t.* 7. *f.* 4.

β. sphaerocephala, stromatis capitulo subgloboso, stipite tenui longissimo. — *Schm. myk. Hft. I.* 116.

Ad truncos putres muscosos Hercyn. larvis insectorum innata, Jove pluvio rarissime redit.

4120. *Sph. capitata Holmsk.*, stromate carnoso intus stipiteque elato aequali glabro citrino, dein nigrescente clavulamque capitatam ovato-subglobosam badiam s. rufescentem, extus pyreniis prominulis asperam sustinente.. — *Holmsk. coryph.* 52. *Pers. syn.* 3., *myc. I. t.* 10. *f.* 1. *Fr. syst. II.* 324. *Schm. myk. Hft. I.* 93. *Sph. agariciformis Bolt. t.* 130. *Sowerb. t.* 354.

In pinetis German. austral. Ceraunio granulato constanter innata rarissime obvia.

4121. *Sph. ophioglossoides Ehrh.*, stromate carnoso elato insigni rufo-nigrescente, intus luteo-virente, e stipite robusto sterili, basi in processus rhizoideos multipliciter divisos flexuosos conformes stipatos (Ceraunium granulatum) prehendentes, apice abrupte in clavam oblongam obtusam saepius bifidam, extus undique pyreniorum ovatorum exiguorum, umbone papillato prominulorum tegmine corticatam abeunte. — *Ehrh. exs. n.* 160. *Pers. syn.* 4., *myc. I. l. f.* 5. 6. *Fr. syst. II.* 324. *Sph. radicosa DC. Clavaria parasitica Willd. Cl. radicosa Bull. t.* 440. — *Schmid. icon. t.* 5.

In nemoribus et pinetis Thuring. et Hercyn., Ceraunio innixa *rarius*, si quidem a praecedente differt.

D. astomi, pyreniis mole et figura variis, plerum-
e tamen sphaericis nisuque basin producendi insignibus,
ovatis s. subclavatis, distinctis, stromate destitutis, foe-
ram ascoden diversimode, nunc intra tegminis laminas
sas undique clausas s. cancellatim fissas, cavitatem
acuam munientes, nunc nuclei hyalini, carnosi s. cal-
ulosi instar exceptam comprehendentibus vixque nisi
senescendo s. hiatum recludendo projicientibus.
(Angiogastres tuberacei nidulariacei Fr. Gasteromy-
cetes compositi Lk. Sarcocarpi Pers.)

a. coelopyrenii, pyreniis foetura tegminis laminas
ipsas infarciente distentis, intus vacuis. (Novam indicat,
Chlaenomycetum classem, aliis generibus intermedia
(Lycoperdon lamellatum Lour., Gemmularia Rufin.) re-
dintegrandam.)

865. HYDNOCARYON W. Trüffelnuss.

Pyrenium naucosum nuciforme depresso-globosum in-
flatum s. intus gyroso-plicatum, hypogaeum, intra tegminis
subcoriacei laminas utrinque conformes, ascis folliculatis
speciosis, a pariete utroque assurgentibus erectis, sporidia
sphaerica seriato-connata hyalina 10-12 continentibus,
veluti in pulpam gelatinosam coactis foetum.

4122. H. fragrans W., pyrenio nuciformi, e basi
depressa plicata, centro plexum stipato-fibrillosum rhi-
zoden monstrante globoso inflato vacuo, extus intusque
nigro conformi, verrucis depresso-hemisphaericis exiguis
alutaceo-rugulosis tessellato aspero.

Fungum rarissimum, Aschio habitu externo plane non
dissimilem illoque suavius fragrantem, a pisi majoris ad
nucis molem varium, hypogaeum, prae caeteris peculiarem,
ex fagetorum editiorum thuring. straussbergens. terra
glareosa, Irmischii, venatoris exercitatiss. canis in Aschi
investigandis adsuetus, me comite, in lucem edidit.

866. CLATHRUS MICH. Gitterschwamm.

Pyrenium primum volva globosa, mox laciniato-
hiscente, dein ad basin residua exceptum, rotundat

sessile, in ramices reticulato-connexos, massa farinoso-uvida sporophora, gelatina ocius diffluente excepta distentos cancellatum.

4123. *Cl. cancellatus L.*, pyrenio primum oviformi, dein in ramices oblique anastomosantes rubro-flavescentes cancellato-divulso, volva pallida laciniata sustentato. — *Linn. syst.* 2017. *Fr. syst. II.* 288. *Cl. ruber Mich. gen. t.* 93. *et Cl. flavescens Pers. syn.* 241. *Necs syst. f.* 261. *Cl. volvaceus Bull. t.* 441.

In sylvis frondosis, nec non in arundinetis exsiccatis agri berolin. (*Gleditsch.*)

b. myelopyrenii, pyreniis clausis, nucleo gelatinoso, carnoso s. calculoso farctis,

† hyalopyrenes, pyr. clausis gelatina sporophora distentis.

367. APIOSPORIUM KZ. *Beerensporling.*

Pyrenium globosum minutissimum, basi leviter tenuata cubilibus adfixum, vertice aequali clausum, sporidiis globosis pellucidis, pulpae gelatinosae immersis, dein transfusis foetum.

4124. *A. Abietis Kz.*, pyreniis minutissimis globoso-pyriformibus in grumulos hemisphaericos olivaceos congestis. — *Kunze myk. Hft. I.* 8. *Fr. syst. III.* 255.

Ad ligna abietina Saxoniae. (*Kunze.*)

4125. *A. Salicis Kz.*, pyreniis minutissimis oblongo-pyriformibus, grumulos irregulares nigros conficientibus. — *Kunze l. l. Fr. l. l.*

Ad truncos salicinos putres passim.

4126. *A. profusum W.*, pyreniis minutissimis oblongo-pyriformibus longe lateque effusis, maculas nigro-olivaceas granulosas praestantibus.

Ad truncos salicinos antiquos Thuring. passim.

4127. *A. Mali W.*, pyreniis minutissimis globosis olivaceo-nigris nitidis, primum hypophloeodeis aggregatis,

syst. II. 290. *Lycoperdon gulosorum Scop. carn. II.* 491. *L. Tuber L. sp.* 1053. *pr. pr.*

α. scabrum, pyreniorum verrucis insignibus conoideis propexis earumque angulis in apicem acutum compressum facile caducum confluentibus.

β. muricatum, pyr. verrucis magnis, e basi latescente obtuse angulata in apicem depressum dilatatis, veluti angulato-umbonatis. — *Nees syst. f.* 147.

γ. areolatum, pyr. verrucis minoribus imminutis subsidendoque areolatis, minus prominulis.

Sub humo laxa, gypso imposita nemorum, promontoriorum versurarumque adjacentium Thuring., opima v. c. ubertate in agro straussberg. Auct., hyeme et vere, tempestate pluvia et serena favente. (Moles a piso minimo ad pomum maximum; hincque pondus ab asse ad libras duas. Sparsim gregatimque (*Matth.* 386. *Camer. epit.* 317.) degit canemque gregem ex pyreniis 72 majusculis

exterentibus, dissectis albis, siccando leviter rubentibus. — *Fr. syst. II.* 293. *Tuber album Bull. t.* 404. *Pers. syn.* 138. *Lycoperdon gibbosum Dicks.*

In ericetis arenosis German. austral. rarius.

4149. *Rh. luteolus Fr.*, pyrenilis sphaericis nuciformibus, mole variis, extus sordide lutescentibus, fibrillis fusco-purpureis filaribus vage ramosis undique obtextis, dissectis labyrinthico-venosis albido-lutescentibus, venulas ascophoras nigricantes excipientibus. — *Fr. syst. II.* 291. *Tuber obtextum Sow. eng. II.* 97. *Lycoperdon pertusum Sowerb. t.* 412. — *Mentz. pug. t.* 6.

In pinetis sabulosis German. mediae passim.

4150. *Rh. virens Fr.*, pyrenilis lobato-difformibus, extus sordide spadiceis nudiusculis, intus viridi-cinerascentibus, e basi plexum rhizoden laxe filamentosum exserentibus. — *Fr. l. l. Tuber virens Alb. et Schw.* 77. *t.* 8. *f.* 3.

Ad latera viarum arenosarum Lusat. (*Alb. et Schw.*)

††† *pycnopyrenes, pyrenilis figura variis, pulvinatis pyxidativo, intus ascoperas distinctas utriculares s. lenticulares duras, massa grumosa sporophoras fovent ibus. (Angiogastres nidulariacei Fr. Lycoperdaceae nidulariceae Dub. Fungi seminiferi Veter.)* Huc quoque spectant: Myxarium p. 260. et Tremella nucleata Fr.

378. POLYANGIUM LK. *Eyerträger.*

Pyrenium subrotundum s. hemisphaericum vesiculoso-fuccosum, demum fatiscens, ascoperas oblongas majusculas, massa grumosa refertas liberas circumcludens.

4151. *P. vitellinum Lk.*, pyrenilis membranaceis sparsis s. gregariis exiguis rotundatis vitellinis subpellucidis, ascoperas 4-6 oblongo-ovatas laeves saturatiores fovent ibus. — *Lk. obs. I.* 65. *Ditmar l. l. t.* 27. *Nees syst. f.* 131. *Fr. syst. II.* 305.

Ad truncos lucis udis putrescentes passim.

4136. *D. insculpta W.*, pyreniis confluentibus insculptis oblongis convexiusculis nigro-fuscis angustis, rimas longitudinaliter infarcientibus, intus albis.

Ad sarmenta Clematis Vitalbae emortuos rarius.

4137. *D. genistalis Fr.*, pyreniis tuberculiformibus difformibus sordide nigris, epidermidem laceram infarcientibus, intus albis. — *Fr. l. l.*

Ad folia viva Genistae sagittalis ogesor. (Maugeni)

4138. *D. puccinioides Fr.*, pyreniis sparsis ovatis s. subdifformibus, epidermidem scissam permeantibus convexo-pulvinatis, intus coactis cinerascentibus, globulis ascophoros dilutiores foventibus. — *Fr. syst. II. 2[illegible]* *Sphaeria puccinioides DC. gall. VI. 118.*

Ad ramos Buxi sempervirentis hort. rarius.

4139. *D. Sambuci Fr.*, pyreniis majusculis [illegible] subrotundis nigro-fuscis, dein erumpentibus convexo-pulvinatis, epidermidem scissam reclinatam infarcientibus rugulosis, intus ceraceis cinerascentibus, globulis ascophoris albidis confertis exiguis superficialibus variegatis. — *Fr. l. l. Sphaeria Sambuci Pers. syn. 14. Nov. syst. f. 311. Sph. natans Tode l. l. f. 98.*

Ad ramos Sambucorum patruarum siccos. Ver.

** *liberae, pyreniis epixylis liberis.*

4140. *D. moriformis Fr.*, pyreniis exiguis [illegible] globosis atris asperulis, praeter basin attractam [illegible] intus corneis obsolete ascophoris albis. — *Fr. [illegible]* 549. *D. gibberulosa Fr. obs. Arthonia moriformis Ach.* [illegible]

Ad ligna salicina putrida passim.

370. ENDOGONE LK. *Knotenschwamm.*

Pyrenium globosum pisiforme, extus tegmine floccoso corticatum, intus grumosum coactum, ascis ricis membranaceis, sporidiorum congeriem fo[illegible] interspersis foetum.

4156. *C. scutellaris Roth*, pyrenüs globosis, extus tomentosis cinereis, primum operculo ferrugineo tectis, dein hemisphaericis, ore repando recluso, intus laevibus albis, ascoperis majusculis laevibus albidis, dein nigrescentibus. *Roth* et *Pers. l. l. Flor. dan. t. 780. f. 2. Fr. syst. II. 300.*

Ad ramos dejectos in nemoribus rarius.

4157. *C. Crucibulum Hoffm.*, pyrenüs majusculis gregariis subcoriaceis, extus tomento stipato ochraceo-ferrugineo, in basin adhaerentem usualsi expanso vestitis, primum breviter cylindricis, vertice depresso truncatis, dein obcampanulatis hiantibus, intus concoloribus, ascoperis glabris laevissimis albis, hinc convexiusculis, hinc impresso-umbilicatis ibique incumbentibus. — *Hoffm. veget. 29. t. 8. f. 1. Pers. et Fr. l. l. Nees syst. f. 133. C. cylindricus Willd. Nidularia laccis Bull. t. 40. Peziza crucibuliformis Schaeff. t. 189. P. lentifera Pall.*

Ad ligna vetusta ramosque lecis udis jacentes.

4158. *C. striatus Hoffm.*, pyrenüs magnis gregariis membranaceo-subcoriaceis, primum e basi magis minusve producta tenuata subcylindricis clausis, dein obconicis s. scyphiformibus, extus pilis spadiceis tortuosis subfasciculatis hirsutis, ascoperas funiculo brevi penicillato appensas fovent ibus, effoetis hiantibus, intus longitudinaliter striatis. — *Hoffm. veg. t. 8. f. 3. Nees syst. f. 132. Pers. syn. 237. Nidularia striata Bull. t. 40. Fr. syst. II. 298. N. hirsuta Sow. t. 29. Pez. striata Huds. Schaeff. t. 178.*

Ad terram truncosque arborum in nemoribus. Hyeme.

4159. *C. laevis Hoffm.*, pyrenüs magnis gregariis membranaceo-coriaceis, extus pilis albido-gryseis s. fuscis stipatis vestitis, primum e basi brevi obovatis in porum rotundum contractis, dein subcampanulatis patulis, ascoperas magnas funiculo proteuso appensas monstrantibus, effoetis intus laevissimis argenteo-plumbeis nitentibus. — *Hoffm. l. l. t. 8. f. 2. Nidularia vernicosa Bull. t. 388. Cyath. nitidus Roth. C. Olla Pers. syn. 237. Nees syst. f. 133. c. Nid. campanulata* Sibth. Fr. l. l. Persoon

sericea *Schaeff.* t. 180. *P. lentifera L. sp. II.* 1649. *Flor. dan.* t. 780. — *Mentz. pug.* t. 6.
In arvis et hortis ad terram quisquiliasque lignea.

375. POLYSACCUM DC. *Beutelträger.*

Pyrenium e basi tenuata plexum rhizoden exserente subglobosum insigne suberosum rigidum, vertice irregulariter dehiscens, intus stuppeo-fibrosum cellaloso-lamellosum, ascoperis discretis inaequalibus plurimis, sporidiis filis intertexta, primum pulposa, dein furfuracea forcipibus cellulasque infarcientibus foetum.

(*Polysaccum DC. Fr. Dub. Polypera Ficin. Piscarpium Lk. Nees. Pisolithus Alb. et Schw. Sclerodermatis sp. Pers. Lycoperda capsulifera Sow.*) Ambigit inter hos et Myxomycetes sphaerogasteres, cum Isoëte analogue.

4160. *P. acaule DC.*, pyreniis e basi brevi parte fibrillosa attracta sphaericis tenuibus fragilibus pallide

coalescendove spatium vacuum, cum tegmine nforme concludens s. redintegrans; color cor- iusculi arcte connati sordide s. terreo-fuscus, delicata in helvum vergens; odor minus gra- inc vilior in usu culinari. Asci uberrimi, ex a dissecta propullulantes, nudis osculis, sicut , conspicui, sporidiis maximis reticulatis, semi- inorum instar horrido-muricatis foeti.)

A. filamentosum W., pyreniis globosis nato-carnosis magnis, cortice carnoso arcte con- s pallide fusco, scobe furfuracea alba in gru- vexos dispanso-tessellatos coacta asperulo tectis e filamentoso delicatissimo atro-violaceo ad- dique obtextis, dissectis parenchyma aquoso- ascis insignibus, sporidia magna rotunda parce oventibus insculptum, isthmis subtilibus furcatis oideis pictum monstrantibus.

em cum reliquis locis, rarius. Auct. (Moles majoris; habitus Ceraunii granulati; com- leiformis, coacta; reticulum filamentosum mi- itum, in cortice, ex conduplicationis vitio in- oncinnius expansum, at ex filamentis obsolete rage irregulariterque ramosis tamque subtilibus ut lentem acriorem penitus fugere videatur, rumulosis intertextum; odor aromaticus, sua- sapor gratissimus.)

A. nigrum W., pyreniis subglobosis sparsis tis carnosis duris, mole variis, cortice adnato discolore nigro, verrucis pentagonis depresso- triis transversis parallelis subtilissimis exaratis, ifariam longitudinaliterque dehiscentibus areo- uloso obturatis, dissectis parenchyma coactum is sporidia sphaerica majuscula subtiliter mu- lide fusca foventibus, in strias gyroso-flexuosas lispositis cumque isthmis candidis conformibus m marmoreo-variegatum monstrantibus. — *Tu- um Sibth. Bull. t.* 356. *Pers. syn.* 126. *Fr.*

plentibus, sporidiorum ovatorum utrinque attenuatorum liquamine atro-violaceo, dein exsiccando concto atro suffusis instructo.

Fungum eximium, pedem dimidium sub terra tersa promontoriorum gypsaceorum prope Crimderodam defossum, canis in Aschiis investigandis exercitatissima, me comite indigitavit, castaneae molem aequantem, cortice testaceo fragilissimo rufo-fusco tenero compositum, vegetum laticem, Vanillam redolentem, fluxum atro-violaceum, liquaminis s. pigmenti unguinoso-oleosi instar stillaticium rumpendo profundentem, mox vero in massam fuligineo-atram, papyro adhaerentem, nec manum inquinantem, ex mira sporidiorum ovatorum, utrinque attenuatorum copia conflatam testamque conspurcantem, coëuntem.

2351. *Tympanis cupularis W.*, in ramis alnis et coryleis, ascomatibus triplo minoribus, dense constipatis, acervulos hypophloeodeos subrotundos elevatos formantibus saepius redit et stirpem distinctam forsan praestat.

2902. *b. Polyporus odoratus Wulff.*, ascomatibus duris perennibus, e basi umbrino-nigrescente in pileum pulvinatum rugosum rubiginosum dilatatis s. in monstra merismoideo-corniculata abeuntibus, margine porisque subtetragonis cinnamomeis. — *Fr. syst. I. 373. Wulff. in Jacq. coll. II. 150. Pers. syn. 532. Boletus annulatus Schaeff. t. 106.*

Ad truncos abietinos rarius; in fodinis saepius in monstra daedalea abit, ex quorum numero, *Ceratophora fribergensis Humb. frib. 112. t. 1., Boletus ceratophorus Hoffm. veget. I. t. 1., Helvella subterranea Houtt. Pflanzensyst. XIII. t. 105. f. 3.*, ascomatibus merismoideo-corniculatis insigne, vel quoque *Boletus polymorphus Hoffm. l. l.* innotuerunt.

3038. *b. Cantarellus chrysosporus W.*, ascomatibus carnosis fragilibus aëneo-virentibus, e basi laevissima s. obsoleta in pileum dimidiatum flexuosum difformem declinatum dilatatis, subtus laevigatis, primum

conculoribus, dein ascis majusculis pulverulentis luteo-virentibus profusis, effoetis dein fuscis scariosis tenuatis.

Ad truncos Populi tremulae putres muscosos Thuring. rarissime. Auctumno. (Habitus fere Peltigerae aphthosae junioris, ob faciem inferiorem prorsus laevem erugem, Thelephoram s. potius Cyphellam mentiens et rectius forsan C. chrysosporae nomine indicandus.)

3910. b. *Sphaeria chionea Fr.*, pyreniis globosis rugulosis, villo stipato obductis albis, abrupte in collum cylindricum flavum, apice conico hians desinentibus. — *Fr. syst. II.* 416. *Ehrenb. sylv.* 29. *Ceratostoma chioneum Fr. obs.*

Ad quisquilias pineas humi putrescentes rarius.

3993. *Sphaeriae circumscriptae Kunzeus* noster ostiola subconica rudia; *Friesius* in *syst.* prominula, in *elencho*, punctiformia et anomala, adscribit, quae in perfectis, pyrenio duplo saepius longiora, 4-5 angula, columnaria, erecta, assurgentia sunt et ex apice obtuso, poro angusto pertuso, ascos in cirrhos sesquunciales nigro-violaceos tortos tradunt, et *Sph. anomiam Fr.* in hoc opere sub no. 4009 receptam in contentionem vocant.

4048. *Sph. Cucurbitula* passim ad truncos Lonicerae tartaricae hort. languidos Thuring. redit et in Tuberculariis sic dictas desciscit.

4076. *Sph. Ribes*, *Sph. Ribesia* vocanda.

4147. b. *Aschion albidum W.*, pyreniis globosis, extus verrucis muricato-scabris, intus sordide albidis. — *Tuber albidum Caesalp.* 616. *Fr. syst. II.* 291. *Schlecht. berol. II.* 171. *Lycoperdon globosum subterraneum Gled. meth.* 157. *? Tuber aestivum, pulpa subobscura Mich. gen.* 221. (*teste Fr.*)

In densis et umbrosis enryletis agri berolin. profunde defossum. (*Gleditsch*). Aestate et auctumno. — Nuperae, cane praestantissima comite, ad Aschia patrua eruenda indagines institutae, seq. fere, praeter alias, ob-

tulerunt, emendationes. — *Aschion concolor fl. cr.* nonnisi etiam pyreniis mediocriter magnis, ca majorem excedentibus redit, tubera solanacea, re fossa exalbida exacte refert odoremque spirat mum, aromatico graveolentem, aliis Aschio nigro gr aliis minus jucundum. — *A. filamentosum l. l.* n melius *A. pallidum* vocandum, quippe reticulum tosum potius ad lusum qualemcunque insigniendu ad stirpem denominandam, saepius deficere videat que pyreniis plane nudis in iisdem locis redire s

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NB. No. 1342. *Charae coronatae* synonymis a *Ch. Braunii Gmel.*, p. 114. inter dubias rec *Ch. scoparia Bauer*; no. 1702: *Thelephora Fr. elench. II.* 226.; no. 1991. *Merulius pulv Fr. l. l. I.* 60. — Deleantur species suspectae: *Acrospermum laetum*; no. 2543. *Peziza micr* no. 3168. *Agaricus lateritius Schum.*; no. 3879 *ria nerviseqna.* — Expungantur synonyma: lin. 22. *Ulva foetida*; pag. 170. lin. 21. *Byssu texta*; p. 235. lin. 10. *Dichosporium aggreg.*; lin. 27. *Agaricus scaber*; pag. 784. lin. 16. *confluens.* — Sphalmata innotuere: pag. VII. lin terpete l. *interprete*; pag. 12. lin. 19. condusat *juncta*; p. 17. lin. 13. Mart. l. *Mert*; p. 88.

4156. *C. scutellaris Roth*, pyreniis globosis, extus tomentosis cinereis, primum operculo ferrugineo tectis, dein hemisphaericis, ore repando reclusis, intus laevibus albis, ascoperis majusculis laevibus albidis, dein nigrescentibus. *Roth et Pers. l. l. Flor. dan. t.* 780. *f.* 2. *Fr. syst. II.* 300.

Ad ramos dejectos in nemoribus ratius.

4157. *C. Crucibulum Hoffm.*, pyreniis majusculis gregariis subcoriaceis, extus tomento stipato ochraceo-ferrugineo, in basin adhaerentem nonnisi expanso vestitis, primum breviter cylindricis, vertice depresso truncatis, dein obcampanulatis hiantibus, intus concoloribus, ascoperis glabris laevissimis albis, hinc convexiusculis, hinc impresso-umbilicatis ibique incumbentibus. — *Hoffm. veget.* 29. *t.* 8. *f.* 1. *Pers. et Fr. l. l. Nees syst. f.* 133. *C. cylindricus Willd. Nidularia laevis Bull. t.* 40. *Peziza crucibuliformis Schaeff. t.* 189. *P. lentifera Poll.*

Ad ligna vetusta ramosque locis udis jacentes.

4158. *C. striatus Hoffm.*, pyreniis magnis gregariis membranaceo-subcoriaceis, primum e basi magis minusve producta tenuata subcylindricis clausis, dein obconicis s. scyphiformibus, extus pilis spadiceis tortuosis subfasciculatis hirsutis, ascoperas funiculo brevi penicillato appensas foventibus, effoetis hiantibus, intus longitudinaliter striatis. — *Hoffm. veg. t.* 8. *f.* 3. *Nees syst. f.* 132. *Pers. syn.* 237. *Nidularia striata Bull. t.* 40. *Fr. syst. II.* 298. *N. hirsuta Sow. t.* 29. *Pez. striata Huds. Schaeff. t.* 178.

Ad terram truncosque arborum in nemoribus. Hyeme.

4159. *C. laevis Hoffm.*, pyreniis magnis gregariis membranaceo-coriaceis, extus pilis albido-gryseis s. fuscis stipatis vestitis, primum e basi brevi obovatis in porum rotundum contractis, dein subcampanulatis patulis, ascoperas magnas funiculo protenso appensas monstrantibus, effoetis intus laevissimis argenteo-plumbeis nitentibus. — *Hoffm. l. l. t.* 8. *f.* 2. *Nidularia vernicosa Bull. t.* 488. *Cyath. nitidus Roth. C. Olla Pers. syn.* 237. *Nees syst. f.* 133. *c. Nid. campanulata Sibth. Fr. l. l. Peziza*

Aecidium *P.* . . 247.
Cyani *DC.* . . . . . 249.
elatinum *A. Schw.* . 250.
Epilobii *DC.* . . . . 249.
Ervi *W.* . . . . . 247.
Euphorbiae *Gm.* . . 250.
Falcariae *DC.* . . . 249.
Geranii . . . . . 255.
Grossulariae *DC.* . . 254.
leucospermum *W.* . 248.
Lysimachiae *Schl.* . 252.
Melampyri *Kz.* . . . 255.
Menthae *Schl.* . . . 255.
Nymphaeae *W.* . . 255.
Paeoniae *W.* . . . . 259.
Pedicularis *Lib.* . . . 254.
Periclymeni *DC.* . . 256.
Phaseolorum *W.* . . 256.
Agaricus *L.* . . . 6
acervatus *Fr.* 7
acicularis *Hffm.* . . 6
acicola *Jungh.* . . . 7
acris *Bolt.* 7
acutus *P.* 6
adhaerens *A. Schw.* 7
adiposus *B.* 6
Adonis *Bull.* 6
adstringens *P.* . . . 6
adustus *P.* 7
aeruginosus *C.* . . . 6
Albertinii *Fr.* 6
albo-brunneus *P.* . . 7
albo-crenatus *J.* . . 6
albo-violaceus *P.* . . 6
albus *Sch.* 7
alcalinus *Fr.* 7

Agaricus *L.* . . . 634.
atro-tomentosus *B.* . . 654.
aurantiacus *Fr.* . . . . 723.
aurantius *Fr.* . . . . 731.
aureus *B.* . . . . . 657.
badipes *P.* . . . . . 692.
barbatus *B.* . . . . . 672.
bellus *Fr.* . . . . . 649.
bivelus *Fr.* . . . . . 669.
blennius *Fr.* . . . . 723.
bolaris *P.* . . . . . 676.
bombycinus *Sch.* . . . 652.
brunneo-villosus *J.* . . 659.
brunneus *P.* . . . . . 670.
bufonius *P.* . . . . . 717.
bulbiger *A. Schw.* . . 734.
bulbosus *Sow.* . . . . 668.
bullaceus *Bull.* . . . . 644.
butyraceus *Bull.* . . . 709.
caesareus *Sch.* . . . . 735.
caliginosus *J.* . . . . . 642.
callochrous *P.* . . . . 679.
calophyllus *P.* . . . . 681.
calopus *P.* . . . . . 706.
callinus *Fr.* . . . . . 647.
Campanella *B.* . . . . 692.
campanulatus *Bull.* . . 646.
campestris. . . . . 651.
candicans *P.* . . . . 716.
Candolleanus *Fr.* . . . 645.
cano-brunneus *B.* . . 646.
caperatus *P.* . . . . 667.
carbonaceus *Fr.* . . . 663.
cano-violaceus *J.* . . . 673.
cano-virens *J.* . . . . 676.
carneus *Bull.* . . . . 706.
casseus *W.* . . . . 728.
castaneus *Bull.* . . . 673.
cereceus *Wulff.* . . . 714.
cerinus *P.* . . . . . 717.
cernuus *Horn.* . . . . 644.
cerussatus *Fr.* . . . . 716.
cervinus *Heffm.* . . 719.
chalybeus *P.* . . . . 685.
chrysenteros *Bull.* . . 707.
chrysodon *B.* . . . . 734.
chrysuleatus *P.* . . . 695.
chrysophyllus *Fr.* . . 695.
cilicioides *Fr.* . . . 724.
circinatus *Fr.* . . . . 661.
cinereus *Bull.* . . . 657.
citrinellus *P.* . . . . 697.
clavipes *P.* . . . . . 718.
clypeatus *Relt.* . . . 642.
clypeolarius *Bull.* . 636.
coccinellus *Ehrh.* . . 741.
coccineus *P.* . . . . 713.
cochleatus *P.* . . . . 696.
cohaerens *P.* . . . . 662.
collinitus *Sow.* . . . 664.
collinus *Scop.* . . . . 708.
Columbetta *Fr.* . . . 730.
comitialis *P.* . . . . 718.
compactus *Sch.* . . . 648.
conchatus *Bull.* . . . 691.
confluens *P.* . . . . 708.
conicus *Sch.* . . . . 713.
conigenus *P.* . . . . 705.
conocephalus *Bull.* . 641.
conopus *P.* . . . . . 677.
conspersus *P.* . . . . 658.
controversus *P.* . . . 725.
coprophilus *Bull.* . . 644.
corrugis *P.* . . . . . 644.
corticola *P.* . . . . . 696.

crocatus *Schr.* . . . . 700.
cucullatus *P.* . . . . 697.
Cucumis *P.* . . . . . 674.
cuneifolius *Fr.* . . . 710.
cyathiformis, *Bull.* . 695.
decipiens *P.* . . . . 673.
decumbens *P.* . . . . 672.
delicatus *Fr.* . . . . 736.
deliciosus . . . . . 723.
deliquescens *Bull.* . 638.
denigratus *P.* . . . . 734.
depallens *P.* . . . . . 726.
depluens *B.* 653
dichrous *P.* . . . . . 684.
difformis *P.* . . . . . 694.
dilutus *P.* 739
discoideus *P.* 733
disseminatus *P.* . . . 640
domesticus *Bolt.* . . 636
dryinus *P.* 691
dryophilus *Bull.* . . 708
eburneus *Bull.* . . . 733
echinatus *R.* 649
elatus *B.* 654
elegans *P.* 689

Agaricus *L.* . . . 634.
galericulatus *Sc.* . . 702.
galopus *P.* . . . . . 700.
gentilis *Fr.* . . . . . 669.
geophilus *Fr.* . . . . 659.
gibbus *P.* . . . . . 719.
giganteus *Leyss.* . . 720.
gilvo-brunneus *J.* . 656.
gilvus *P.* . . . . . 720.
glandifer *P.* . . . . 740.
glandulosus *Bull.* . . 690.
glaucopus *Sch.* . . . 679.
glutinosus *Sch.* . . . 645.
gracilis *P.* . . . . . 644.
graminicola *N.* . . . 658.
granulatus *Sch.* . . . 731.
granulosus *P.* . . . . 735.
graveolens *P.* . . . . 729.
griseo-cyaneus *P.* . 684.
guttatus *P.* . . . . . 735.
haematochelis *Bull.* 668.
haematopus *P.* . . . 700.
haematospermus *Bull.* 651.
hanstelliaris *Fr.* . . . 653.
hemitrichus *P.* . . . 675.
hirnеolus *Fr.* . . . . 655.
hirtus *W.* . . . . . 726.
hirtipes *Sch.* . . . . 682.
hispidulus *Fr.* . . . . 684.
hortensis *P.* . . . . . 786.
humilis *P.* . . . . . 728.
hybridus *Bull.* . . . 648.
hydrogrammus *Bull.* 694.
hydrophorus *Bull.* . 640.
hypnorum *Schrk.* . 656.
hypothejus *Fr.* . . . 732.
ianthinus *Fr.* . . . . 700.
iliopodius *Bull.* . . . 675.

Agaricus *L.* . . . 634.
inconstans *P.* . . . . 691.
incurvus *Sch.* . . . . 671.
infractus *P.* . . . . . 680.
inquilinus *Fr.* . . . . 657.
integrellus *P.* . . . . 697.
involutus *B.* . . . . 654.
irrigatus *P.* . . . . . 714.
laccatus *Sc.* . . . . . 712.
laceratus *Bolt.* . . . 739.
lacrymabundus *B.* . 649.
lacunosus *P.* . . . . 740.
laetus *P.* . . . . . 740.
lagopus *Fr.* . . . . . 636.
lanuginosus *Bull.* . . 661.
lasevus *Fr.* . . . . . 712.
lateritius *Sch.* . . . . 643.
latus *P.* . . . . . 669.
lentus *P.* . . . . . 682.
leoninus *Sch.* . . . . 685.
lepideus *Fr.* . . . . 695.
leucocroceus *P.* . . . 740.
leucopodius *Bull.* . . 672.
leucoxanthus *P.* . . 729.
lignatilis *P.* . . . . . 716.
linеatus *Bull.* . . . . 699.
Liquiritiae *P.* . . . . 662.
longicaudus *P.* . . . 664.
lubricus *P.* . . . . . 662.
luridus *P.* . . . . . 673.
lucifugus *Fr.* . . . . 660.
lugens *J.* . . . . . 672.
luridus *P.* . . . . . 724.
luscinus *Fr.* . . . . . 718.
luteo-albus *B.* . . . 698.
luteo-virens *A. Schw.* 731.
lutens *Huds.* . . . . 701.
maculatus *A. Schw.* 708.

tulerunt, emendationes. — *Aschion concolor fl. cr.* no. 4144, nonnisi etiam pyreniis mediocriter magnis, castaneam majorem excedentibus redit, tubera solanacea, recens effossa exalbida exacte refert odoremque spirat gravissimum, aromatico graveolentem, aliis Aschio nigro gratiorem, aliis minus jucundum. — *A. filamentosum l. l.* no. 4146., melius *A. pallidum* vocandum, quippe reticulum filamentosum potius ad lusum qualemcunque insignicndum, quam ad stirpem denominandam, saepius deficere videatur idemque pyreniis plane nudis in iisdem locis redire soleat.

NB. No. 1342. *Charae coronatae* synonymis addantur: *Ch. Braunii Gmel.*, p. 114. inter dubias recensita et *Ch. scoparia Bauer*; no. 1702: *Thelephora cirrinata Fr. elench. II.* 226.; no. 1991. *Merulius pulcerulentus Fr. l. l. I.* 60. — Deleantur species suspectae: no. 1449. *Acrospermum laetum*; no. 2543. *Peziza microscopica*; no. 3168. *Agaricus lateritius Schum.*; no. 3879. *Sphaeria nervisequa.* — Expungantur synonyma: pag. 53. lin. 22. *Ulva foetida*; pag. 170. lin. 21. *Byssus intertexta*; p. 235. lin. 10. *Dichosporium aggreg.*; pag. 666. lin. 27. *Agaricus scaber*; pag. 734. lin. 16. *Sphaeria confluens.* — Sphalmata innotuere: pag. VII. lin. 13. interpete l. *interprete*; pag. 12. lin. 19. condonata l. *conjuncta*; p. 17. lin. 13. Mart. l. *Mert*; p. 88. lin. 4. Chordaria l. *Chondria*; p. 161. l. 69. lege 66.; p. 218. l. 16. l. 190. leg. 189; p. 123. l. 19. Hymenom. l. *Hyphomyc.*; p. 270. lin. 25. lycosp. l. *lycosp.*; p. 276. lin. 1. Hyphmom. l. *Hyphom.*; p. 352. lin. connatum l. *innatum*; p. 611. lin. 16. imbriatum l. *fimbriatus*; p. 539. lin. 19. t. 1100. f. 3. l. t. 1076. f. 1.; p. 671. lin. 36. semiglobatus l. *semiglobosus*; p. 768. lin. 28. Pyrenost. l. *Phyllosticta*; p. 868. l. 22. Plin leg. *Plin.*

Agaricus *L.* . . . 634.
phalloides *Fr.* . . . 759.
phlebophorus *D.* . . 684.
phrygius *W.* . . . . 714.
phyllophilus *P.* . . . 719.
picaceus *Bull.* . . . 638.
picreus *P.* . . . . . 670.
piperatus *Sc.* . . . . 720.
pityreus *Fr.* . . . . 655.
placidus *Fr.* . . . . 683.
platyphyllus *P.* . . . 710.
platypus *N.* . . . . . 698.
plexipes *Fr.* . . . . . 701.
plicatilis *Curt.* . . . 635.
plicatus *P.* . . . . . 688.
plumbeus *Bull.* . . . 721.
Pluteus *B.* . . . . . 685.
pluvius *Fr.* . . . . . 672.
politus *P.* . . . . . 681.
polygrammus *B.* . . 701.
porphyrius *Fr.* . . . 739.
porreus *P.* . . . . . 707.
porrigens *P.* . . . . 689.
prasens *P.* . . . . . 650.
prasinus *Sch.* . . . . 731.
prasiosmus *Fr.* . . . 700.
pratensis *P.* . . . . . 715.
procerus *Sc.* . . . . . 737.
prunuloides *Fr.* . . . 685.
Prunulus *P.* . . . . . 687.
psammocephalus *Bull.* 677.
psittacinus *Sch.* . . . 714.
ptevigenus *Fr.* . . . 696.
pulvinatus *P.* . . . . 691.
pumilus *P.* . . . . . 658.
punctatus *Sch.* . . . 664.
puniceus *Fr.* . . . . . 713.
purpurascens *A. Schw.* 733.
Agaricus *L.* . . . . 634.
purpureus *Bull.* . . 676.
purus *P.* . . . . . 689.
pusillus *DC.* . . . . 652.
pustulatus *P.* . . . . . 735.
pygmaeus *Bull.* . . . 657.
pyriformis *P.* . . . . . 741.
pyriodorus *P.* . . . . 661.
pyrogalus *Bull.* . . . 721.
pyxidatus *Bull.* . . . 693.
quietus *Fr.* . . . . . 722.
radiatus *Balt.* . . . . 635.
radicatus *Relh* . . . 710.
radicosus *Bull.* . . . 667.
ramealis *Bull.* . . . 705.
ramentaceus *Bull.* . 735.
raphanoides *P.* . . . 675.
repandus *Bull.* . . . 661.
reticulatus *P.* . . . 671.
rhodopolius *Fr.* . . . 686.
rigens *P.* . . . . . 672.
rimosus *Bull.* . . . . 690.
rivulosus *P.* . . . . . 718.
robustus *A. Schw.* . 735.
roselius *Bull.* . . . . 699.
Rotula *Sc.* . . . . . 704.
ruber *DC.* . . . . . 726.
rubescens *Fr.* . . . . . 737.
rufo-olivaceus *P.* . . 679.
rufus *Scop.* . . . . . 722.
Russula *Sch.* . . . . 732.
rutilans *Sch.* . . . . 730.
sapidus *Fr.* . . . . . 650.
salicinus *P.* . . . . . 685.
saliguus *P.* . . . . . 690.
sambucinus *Fr.* . . . 660.
sanguiolentus *A. Sch.* 733.
sapineus *Fr.* . . . . . 671.

Aecidium *P.* . . 247.
Cyani *DC.* . . . . . 249.
elatinum *A. Schw.* . 250.
Epilobii *DC.* . . . . 249.
Ervi *W.* . . . . . 247.
Euphorbiae *Gm.* . . 250.
Falcariae *DC.* . . 249.
Geranii . . . . . 255.
Grossulariae *DC.* . . 254.
leucospermum *W.* . 248.
Lysimachiae *Schl.* . 252.
Melampyri *Kz.* . . . 255.
Menthae *Schl.* . . . . 255.
Nymphaeae *W.* . . . 255.
Paeoniae *W.* . . . . 259.
Pedicularis *Lib.* . . . 254.
Periclymeni *DC.* . . 256.
Phaseolorum *W.* . . 256.
poculiforme *W.* . . 257.
Populi *Vahl.* . . . . 253.
punctatum . . . . . 248.
Salicorniae *DC.* . . . 252.
Soldanellae *H.* . . . 250.
Thesii *DC.* . . . . . 248.
Tussilaginis *Gm.* . . 253.
Urticae *Grtn.* . . . . 254.
Xylostei *DC.* . . . . 256.

Aegerita *P.* . . . . 234.
aeruginosa *W.* . . . 235.
caesia . . . . . 235.
candida . . . . . 234.
epixyla *DC.* . . . . . 235.

Aethalium *Lk.* . 340.
flavum . . . . . 341.
rufum *W.* . . . . . 341.
septicum *Fr.* . . . . 340.

Agaricus *L.* . . .
acervatus *Fr.* . . .
acicularis *Hffm.* .
acicola *Jungh.* . .
acris *Bolt.* . . . .
acutus *P.* . . . . .
adhaerens *A. Schw*
adiposus *B.* . . . .
Adonis *Bull.* . . .
adstringens *P.* . .
adustus *P.* . . . . .
aeruginosus *C.* . .
Albertinii *Fr.* . . .
albo-brunneus *P.*.
albo-crenatus *J.* .
albo-violaceus *P.*
albus *Sch.* . . . . .
alcalinus *Fr.* . . .
alliaceus *Jacq.* . .
alutaceus *P.* . . .
amarus *P.* . . . . .
amethystinus *Bull*
amplus *P.* . . . . .
androsaceus . . . .
anginaceus *J.* . . .
angustus *P.* . . . .
applicatus *B.* . .
aquilus *Fr.* . . . .
aquosus *Bull.* . .
ardosiaceus *Bull.*
argentatus *P.* . . .
armeniacus *Sch.*
asper *P.* . . . . . .
asprellus *Fr.* . .
astragalinus *Fr.*
atramentarius *Bul*
atro-cyaneus *B.*
atro-punctatus *P.*

Agaricus *L.* . . . . 634.
variecolor *P.* . . . . 680.
varius *Sch.* . . . . . 679.
vellereus *Fr.* . . . . 720.
velutipes *C.* . . . . . 710.
venosus *P.* . . . . . 703.
ventricosus *Bull.* . . 646.
vernus *Bull.* . . . . 739.
vibratilis *Fr.* . . . . 681.
vietus *Fr.* . . . . . 723.
vinlaceo-cinereus *P.* 678.
vinlaceo-fulvus *B.* . 653.
violaceus . . . . . 678.
violascens *O.* . . . . 721.
virgatus *Fr.* . . . . 729.
virgineus *Fr.* . . . . 715.
vitellinus *P.* . . . . 641.
volemus *Fr.* . . . . . 723.
volvaceus *Bull.* . . . 652.
vulgaris *P.* . . . . . 697.
zephyrus *Fr.* . . . . 700.
Agyrium *Fr.* . . 522.
caesium . . . . . 522.
herbarum . . . . . 522.
nigricans . . . . . 522.
rufum . . . . . 522.
Albugo Ehrh. . . 755.
Aleurisma Lk. 276. 315.
Alphitomorpha *W.* 753.
adnata . . . . . 754.
bicornis . . . . . 755.
clandestina . . . . . 754.
bicornis . . . . . 755.
clandestina . . . . . 754.
comata . . . . . 757.
communis . . . . . 758.
depressa . . . . . 758.
Alphitomorpha *W.* 753.
divaricata . . . . . 754.
epigaea . . . . . 761.
epiaylon *Schlechtd.* 760.
famosa . . . . . 760.
guttata . . . . . 760.
horridula . . . . . 755.
lanoprocarpa . . . . 757.
lenticularis . . . . . 758.
macularis . . . . . 756.
nitida . . . . . 757.
pannosa . . . . . 760.
penicillata . . . . . 754.
sericea . . . . . 757.
tortilis . . . . . 756.
tridactyla . . . . . 753.
Alternaria *N.* . . . 148.
radis *Ehrh.* . . . . . 148.
tenuis . . . . . 148.
Alysidium Ks. . . 183.
Alysosporium Lk. 281.
Amanita Pers. 737–39.
Amphiconium N. 150.
Amphisporium *Lk.* 335.
versicolor . . . . . 335.
Amphitrichum *N.* 148.
effusum . . . . . 148.
Antennaria Lk. . 169.
Apiosporium *Ks.* 861.
Alnetis . . . . . 861.
Corni *W.* . . . . . 862.
Mali *W.* . . . . . 861.
profusum *W.* . . . . 861.
Salicis . . . . . 865.
stygium *W.* . . . . . 863.
velutinum *W.* . . . . 862.

syst. II. 290. *Lycoperdon gulosorum Scop. carn. II.* 491. *L. Tuber L. sp.* 1053. *pr. pr.*

α. scabrum, pyreniorum verrucis insignibus conoideis propexis earumque angulis in apicem acutum compressum facile caducum confluentibus.

β. muricatum, pyr. verrucis magnis, e basi latescente obtuse angulata in apicem depressum dilatatis, velati angulato-umbonatis. — *Nees syst. f.* 147.

γ. areolatum, pyr. verrucis minoribus imminutis subsidendoque areolatis, minus prominulis.

Sub humo laxa, gypso imposita nemorum, promontoriorum versurarumque adjacentium Thuring., opima s. c. ubertate in agro straussberg. Auct., hyeme et ver, tempestate pluvia et serena favente. (Moles a piso minimo ad pomum maximum; hincque pondus ab asse ad libras duas. Sparsim gregatimque (*Matth.* 386. *Camer. epit.* 317.) degit canemque gregem ex pyreniis 72 majusculis conglobatam l. l. in lucem edidisse ajunt. Figura pyrenii saepius tornata, alias incondita satis, idque ex conduplicationis vitio saepe inane, terram, calculos, gramina, ipsum olim nummum (*Plin hist. XIX.* 2.) aliasque quisquilias abscondens.) — Talem equidem Aschiologiae prodromum, cum emendato generis neglecti characteris ex thuringiacis solum largior, alio tempore extendendum. *Tuberisque albidi Caesalp. Fr. syst. II.* 291., verrucis exasperati, albidi aliorumque notionem reticeo.

372. RHIZOPOGON FR. *Netztrüffel.*

Pyrenium globosum tuberiforme hypogaeum, extus flocculosum, e basi radicante reticulum filamentosum ex serens eoque saepius laxe obtextum, intus carnosum, ... nis distinctis per anastomosin connexis, ad latuscula ... membranaceis globosis ecaudatis, sporidia sphaerica ... ventibus foetis cancellatum. (*Tuberis et Lycoperdi sp.* ...

4148. ***Rh. albus Fr.***, pyreniis subrotundis s. ... formibus, extus leviter floccosis subrugosis albido-... fescentibus, e basi plexum rhizoden brevem fibrillo...

exserentibus, dissectis albis, siccando leviter rubentibus. — *Fr. syst. II.* 293. *Tuber album Bull. t.* 404. *Pers. syn.* 128. *Lycoperdon gibbosum Dicks.*

In ericetis arenosis German. austral. rarius.

4149. *Rh. luteolus Fr.*, pyreniis sphaericis nuciformibus, mole variis, extus sordide lutescentibus, fibrillis fusco-purpureis filaribus vage ramosis undique obtextis, dissectis labyrinthico-venosis albido-lutescentibus, venulas ascophoras nigricantes excipientibus. — *Fr. syst. II.* 294. *Tuber obtextum Spr. pug. II.* 97. *Lycoperdon pertusus Sowerb. t.* 412. — *Mentz. pug. t.* 6.

In pinetis sabulosis German. mediae passim.

4150. *Rh. virens Fr.*, pyreniis lobato-difformibus, extus sordide spadiceis nudiusculis, intus viridi-cinerascentibus, e basi plexum rhizoden laxe filamentosum exserentibus. — *Fr. l. l. Tuber virens Alb. et Schw.* 77. *t.* 8. *f.* 3.

Ad latera viarum arenosarum Lusat. (*Alb. et Schw.*)

††† *pycnopyrenes, pyreniis figura variis, pulvinatis pyxidatisve, intus ascoperas distinctas utriculares s. lenticulares duras, massa grumosa sporophoras foventibus.* (*Angiogastres nidulariacei Fr. Lycoperdaceae nidularieae Dub. Fungi seminiferi Veter.*) Huc quoque spectant: Myxarium p. 260. et Tremella nucleata Fr.

878. POLYANGIUM LK. *Eyerträger.*

Pyrenium subrotundum s. hemisphaericum vesiculoso-loccosum, demum fatiscens, ascoperas oblongas majusculas, massa grumosa refertas liberas circumcludens.

4151. *P. vitellinum Lk.*, pyreniis membranaceis parsis s. gregariis exiguis rotundatis vitellinis subpellucidis, ascoperas 4-6 oblongo-ovatas laeves saturatiores foventibus. — *Lk. obs. l.* 65. *Ditmar l. l. t.* 27. *Nees syst. f.* 131. *Fr. syst. II.* 305.

Ad truncos locis udis putrescentes passim.

874. CYATHUS HALL. *Linsentrüger.*

Pyrenium coriaceum vasculoso-pyxidatum, prim membrana mox decidua s. veluti epiphragmate obturat extus subfloccosum, latice gelatinoso ascoperas lenticula carnosas, margine s. centro umbilicato incumbentes niculove appensas, ascis majusculis centro foetas cumfluo, demum coacto scatens.

(*Nidularia Bull. Lk. Fr. Gemmularia Willd. C thus Hall. Pers.*)

4152. *C. deformis Willd.*, pyreniis primum misphaericis, dein irregularibus rugosis pubescenti albis, ascoperis oblongis brunneis minutis, funiculo formi tenuissimo appensis. — *Willd. in Uster. bot. M II. 4. p. 14. t. 5. f. 8. Pers. syn. 246. Fr. syst. II.* Ad ramos dejectos agri berolin. rarius. (*Willden*

4153. *C. globosus Ehrenb.*, pyreniis glob parvis tuberculosis glabriusculis albidis irregulariter r pentibus, ascoperis subglobosis flaventibus, margine cumbentibus. — *Ehrenb. sylv. 28. f. 8. Fr. syst. II.* Inter muscos agri berolin. in terra sabulosa. (*Ehrl*

4154. *C. corrugatus W.*, pyreniis oboratis m brunneis majusculis, extus glabriusculis pallescentib vertice depresso poro circinato contracto-rugoso pertu intus laevissimis, ascoperis lenticularibus politis fu marginatis, margine incumbentibus, latice albo excep Ad fimum stramineum ovinum in agris friburg relictum. Aest. (Ambigit inter sequentem et C. f tarium *DC.*)

4155. *C. farctus Roth*, pyreniis subrotundis confertis basive confluentibus, extus villosis sordide bidis, dein calvescentibus irregulariterque rumpenti ascoperis orbiculatis corrugatis brunneis majusculis, p pam albam infarcientibus. — *Roth cat. I. 237. t. 2. Pers. syn. 239. (lusus plexum rhizoden fibrillorum e rens.) Nidularia confluens Fr. obs. N. farcta Fr. syst. II.* Ad ligna quercina et pinea rarius.

4156. *C. scutellaris Roth*, pyreniis globosis, extus tomentosis cinereis, primum operculo ferrugineo tectis, dein hemisphaericis, ore repando reclusis, intus laevibus albis, ascoperis majusculis laevibus albidis, dein nigrescentibus. *Roth et Pers. l. l. Flor. dan. t. 780. f. 2. Fr. syst. II. 300.*

Ad ramos dejectos in nemoribus rarius.

4157. *C. Crucibulum Hoffm.*, pyreniis majusculis gregariis subcoriaceis, extus tomento stipato ochraceo-ferrugineo, in basin adhaerentem nonnisi expanso vestitis, primum breviter cylindricis, vertice depresso truncatis, dein obcampanulatis hiantibus, intus concoloribus, ascoperis glabris laevissimis albis, hinc convexiusculis, hinc impresso-umbilicatis ibique incumbentibus. — *Hoffm. veget. 29. t. 8. f. 1. Pers. et Fr. l. l. Nees syst. f. 133. C. cylindricus Willd. Nidularia laevis Bull. t. 40. Peziza crucibuliformis Schaeff. t. 189. P. lentifera Poll.*

Ad ligna vetusta ramosque locis udis jacentes.

4158. *C. striatus Hoffm.*, pyreniis magnis gregariis membranaceo-subcoriaceis, primum e basi magis minusve producta tenuata subcylindricis clausis, dein obconicis s. scyphiformibus, extus pilis spadiceis tortuosis subfasciculatis hirsutis, ascoperas funiculo brevi penicillato appensas foventibus, effoetis hiantibus, intus longitudinaliter striatis. — *Hoffm. veg. t. 8. f. 3. Nees syst. f. 132. Pers. syn. 237. Nidularia striata Bull. t. 40. Fr. syst. II. 298. N. hirsuta Sow. t. 29. Pez. striata Huds. Schaeff. t. 178.*

Ad terram truncosque arborum in nemoribus. Hyeme.

4159. *C. laevis Hoffm.*, pyreniis magnis gregariis membranaceo-coriaceis, extus pilis albido-gryseis s. fuscis stipatis vestitis, primum e basi brevi obovatis in porum rotundum contractis, dein subcampanulatis patulis, ascoperas magnas funiculo protenso appensas monstrantibus, effoetis intus laevissimis argenteo-plumbeis nitentibus. — *Hoffm. l. l. t. 8. f. 2. Nidularia vernicosa Bull. t. 488. Cyath. nitidus Roth. C. Olla Pers. syn. 237. Nees syst. f. 133. c. Nid. campanulata Sibth. Fr. l. l. Peziza*

sericea Schaeff. t. 180. *P. lentifera L. sp. II. Flor. dan.* t. 780. — *Mentz. pug.* t. 6.

In arvis et hortis ad terram quisquiliasque lig

375. POLYSACCUM DC. *Beutelträger.*

Pyrenium e basi tenuata plexum rhizoden ex subglobosum insigne suberosum rigidum, vertice i lariter dehiscens, intus stuppeo-fibrosum cellulosolosum, ascoperis discretis inaequalibus plurimis, filis intertexta, primum pulposa, dein furfuracea tibus cellulasque infarcientibus foetum.

(*Polysaccum DC. Fr. Dub. Polypera Ficin. P pium Lk. Nees. Pisolithus Alb. et Schw. Scleroder sp. Pers. Lycoperda capsulifera Sow.*) Amhigi hos et Myxomycetes sphaerogasteres, cum Isoëte an

4160. *P. acaule DC.*, pyreniis e basi brev fibrillosa attracta sphaericis tenuibus fragilibus fuscis, intus concameratis, ascoperis difformibus sporidia terrea foventibus farctis. — *DC. rupp. II.* 80. *P. Pisocarpium Fr. syst. III.* 54. *Piso arenarium Nees syst. f.* 131. *Pisolithus arenariu et Schw. nisk.* 82. *t.* 1. *f.* 3.

In campis arenosis Lusatiae. Auctumno. (*d. el.*

4161. *P. crassipes DC.*, pyreniis e basi obe nosa compacta crassa plexum rhizoden exserent clavatis pallide-rufis, demum rufo-fuscis, ascoper fureis, sporidiis fuscis foetis farctis. — *DC. l. l. VI.* 103. *Fr. syst. III.* 53. *Polypera crassipes Ficin.* 306. *t.* 1. *f.* 51. *Pisocarpium clavatum Nees sy f.* 131. *Scleroderma tinctorium Pers. Lycoperdon tatum Batsch.* — *Mich. gen.* t. 98. *f.* 1.

In campis sabulosis ad Albim, Rhenum et alibi Auctumno.

OMISSA ET EMENDANDA.

No. 157. *b. Helmisporium setiforme W.*, rhabdis simplicissimis continuis laevibus rigidis erectis fasciculatis atris nitidis subtilissimis, appendicibus sporomorphis lateralibus paucis laxe appensis ovato-subrotundis opacis minutissimis.

Ad Rhizomorpham subcorticalem humo obtectam intra Salices cavas Thuring. Vere.

1810. *b. Chaetomium Alchemillae W.*, sporidochiis hemisphaericis microscopicis nigris, pilis brevissimis rigidis concoloribus horridulis, in series rectas, a centro radiantes dispositis, maculam nigram fibrilloso-radiantem mentientibus. — *? Chaetomium Alchemillae W. in lit.* 1810. *Dothidea ceramioides Dub. gall. II.* 715. *Asteroma Alchemillae Fr. elench. II.* 152.

Ad folia Alchemillae vulgaris vegeta Thurg. rarius. (Similem at magis fuscescentem ad caules Delphinii Ajacis languidos legi.)

1943. *b. Acladium globosum W.*, hyphis hyalinis articulato-septatis, siccando contractis crispis, sterilibus implexis decumbentibus, fertilibus gregariis, apice aequali sporidia simplicia concatenata, in capitulum globosum flavum micans congesta sustinentibus.

Agaricos putres agmine denso obducit. Auctumno.

2286. *b. Bullardiae* generis Junghuhniani notionem *Decandollei, Neckeri* aliorumqae synonyma exstinguunt. Hinc novum ad genus distinctum indicandum condidi, *Argylium* (*Schaalenstaeubling*), idque Bullardiae no. 289, p. 405 expositae loco, cum generis charactere additaque specie nova profiteor:

2286. *c. Argylium liquaminosum W.*, peridio subterraneo naucoso depresso rotundo scrobiculato rufofusco arrhizo, intus trabeculis albidis erosis, fundum re-

plentibus, sporidiorum ov
liquamine atro-violaceo, d
fusis instructo.

Fungum eximium, pe
promontoriorum gypsaceor
sum, canis in Aschiis in
comite indigitavit, castan
testaceo fragilissimo rufo-
getum laticem, Vanillam
cenm, liquaminis s. pigme
laticium rumpendo profun
fuligineo-atram, papyro a
nantem, ex mira sporidio
nuatorum copia conflata
cocuntem.

2351. *Tympanis c*
et coryleis, ascomatibus t
patis, acervulos hypophloe
mantibus saepius redit et st

2902. *b. Polyporus*
tibus duris perennibus,
pileum pulvinatum rugos
monstra merismoideo-corn
risque subtetragonis cinna
Wulff. in Jacq. coll. II.
annulatus Schaeff. t. 106.

Ad truncos abietinos
monstra daedalea abit, ex
fribergensis Humb. frib.
Hoffm. veget. I. t. 1., *Hel*
sensyst. XIII. t. 105. *f.* 3.,
niculatis insigue, vel quoq
I. l. innotuerunt.

3038. *b. Cantarellu*
matibus carnosis fragilibus
vissima s. obsoleta in pile
formem declinatum dilatat

concoloribus, dein ascis majusculis pulverulentis luteo-virentibus profusis, effoetis dein fuscis scariosis tenuatis.

Ad truncos Populi tremulae putres muscosos Thuring. rarissime. Auctumno. (Habitus fere Peltigerae aphthosae junioris, ob faciem inferiorem prorsus laevem erugem, Thelephoram s. potius Cyphellam mentiens et rectius forsan C. chrysosporae nomine indicandus.)

3910. *b. Sphaeria chionea Fr.*, pyreniis globosis rugulosis, villo stipato obductis albis, abrupte in collum cylindricum flavum, apice conico hians desinentibus. — *Fr. syst. II.* 446. *Ehrenb. sylv.* 29. *Ceratostoma chioneum Fr. obs.*

Ad quisquilias pineas humi putrescentes rarius.

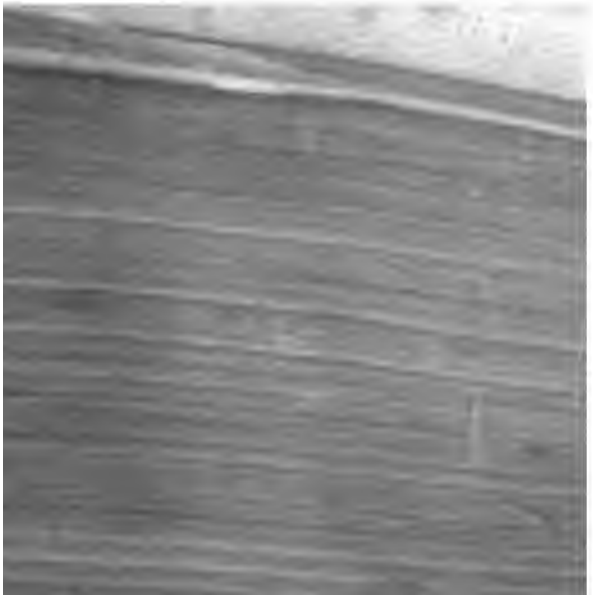
3993. *Sphaeriae circumscriptae Kunzeus* noster ostiola subconica rudia; *Friesius* in *syst.* prominula, in *elencho*, punctiformia et anomala, adscribit, quae in perfectis, pyrenio duplo saepius longiora, 4-5 angula, columnaria, erecta, assurgentia sunt et ex apice obtuso, poro angusto pertuso, ascos in cirrhos sesquunciales nigro-violaceos tortos trudunt, et *Sph. anomiam Fr.* in hoc opere sub no. 4009 receptam in contentionem vocant.

4048. *Sph. Cucurbitula* passim ad truncos Lonicerae tartaricae hort. languidos Thuring. redit et in Tubercularias sic dictas desciscit.

4076. *Sph. Ribes*, *Sph. Ribesia* vocanda.

4147. *b. Aschion albidum W.*, pyreniis globosis, extus verrucis muricato-scabris, intus sordide albidis. — *Tuber albidum Caesalp.* 616. *Fr. syst. II.* 291. *Schlecht. berol. II.* 171. *Lycoperdon globosum subterraneum Gled. meth.* 157. *? Tuber aestivum, pulpa subobscura Mich. gen.* 221. (*teste Fr.*)

In densis et umbrosis coryletis agri berolin. profunde defossum. (*Gleditsch*). Aestate et auctumno. — Nuperae, cane praestantissima comite, ad Aschia patrua eruenda indagines institutae, seq. fere, praeter alias, ob-



Agaricus *L.* . . . 634.
atro-tomentosus *B.* . 654.
aurantiacus *Fr.* . . . 723.
aurantius *Fr.* . . . . 731.
aureus *B.* . . . . . 667.
badipus *P.* . . . . . 692.
barbatus *B.* . . . . . 672.
bellus *Fr.* . . . . . 649.
bivelus *Fr.* . . . . . 669.
blennius *Fr.* . . . . 723.
bolaris *P.* . . . . . 676.
bombycinus *Sch.* . . 652.
brunneo-villosus *J.* . 659.
brunneus *P.* . . . . . 670.
bufonius *P.* . . . . . 717.
bulbiger *A. Schw.* . 734.
bulbosus *Sow.* . . . 668.
bullaceus *Bull.* . . . 644.
butyraceus *Bull.* . . 709.
caesareus *Sch.* . . . 738.
caliginosus *J.* . . . . 642.
callochrous *P.* . . . 679.
calophyllus *P.* . . . 681.
calopus *P.* . . . . . 706.
callosus *Fr.* . . . . . 647.
Campanella *B.* . . . 692.
campanulatus *Bull.* . 646.
campestris. . . . . 651.
candicans *P.* . . . . 716.
Candolleanus *Fr.* . . 645.
cano-brunneus *B.* . 646.
caperatus *P.* . . . . 667.
carbonaceus *Fr.* . . 663.
cano-violaceus *J.* . . 673.
cano-virens *J.* . . . 676.
carneus *Bull.* . . . . 706.
caseosus *W.* . . . . 728.
castaneus *Bull.* . . . 673.

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ceraceus *Wulff.* . . 714.
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cerussatus *Fr.* . . . 716.
cervinus *Hoffm.* . . 719.
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circinatus *Fr.* . . . . 661.
cinereus *Bull.* . . . 637.
citrinellus *P.* . . . . 697.
clavipes *P.* . . . . . 718.
clypeatus *Bolt.* . . . 642.
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coccinellus *Ehrh.* . . 741.
coccineus *P.* . . . . 713.
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conigenus *P.* . . . . 705.
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giganteus *Leyss.* . . 720.
gilvo-brunneus *J.* . 656.
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janthinus *Fr.* . . . . 700.
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inconstans *P.* . . . . 691.
incurvus *Sch.* . . . . 671.
infractus *P.* . . . . . 680.
inquilinus *Fr.* . . . . 657.
integrellus *P.* . . . . 697.
involutus *B.* . . . . 654.
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lascivus *Fr.* . . . . . 712.
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lugens *J.* . . . . . 672.
luridus *P.* . . . . . 724.
luscinus *Fr.* . . . . . 718.
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velutipes *C.* . . . . . 710.
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volemus *Fr.* . . . . . 723.
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lenticularis . . . . . 758.
macularis . . . . . 756.
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pannosa . . . . . 760.
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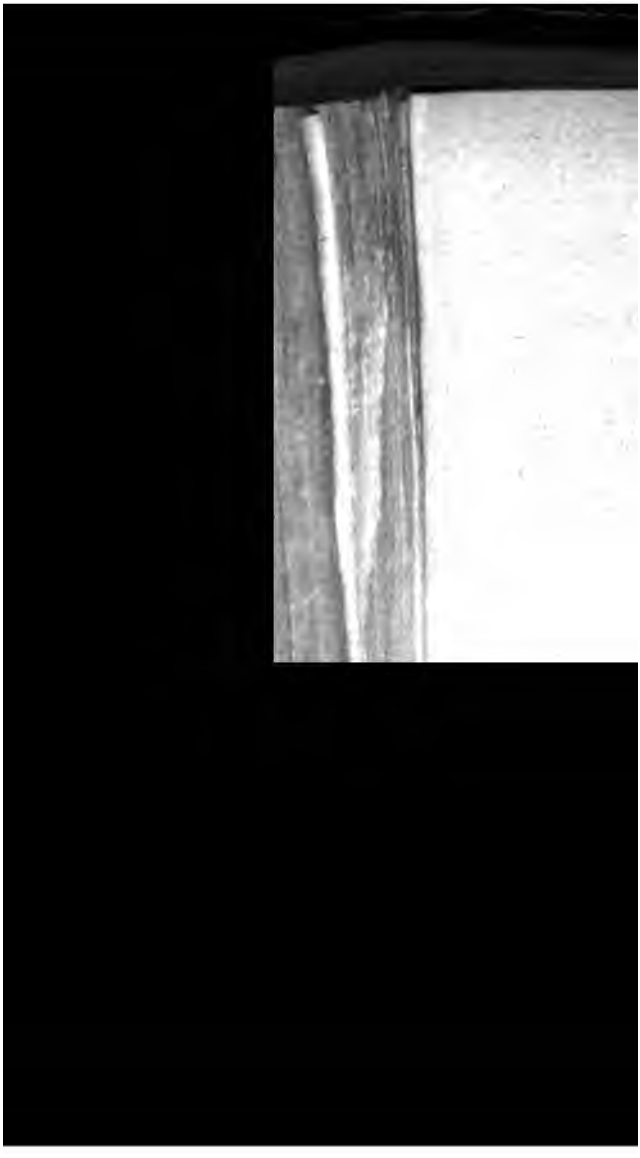

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